


Product datasheet

Anti-TROP2 antibody [SP295] - BSA and Azide free ab238791

Recombinant RabMAb

14 Images

Overview

Product name	Anti-TROP2 antibody [SP295] - BSA and Azide free
Description	Rabbit monoclonal [SP295] to TROP2 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Mouse 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	IHC-P: Human tonsil, Human skin and Human bladder carcinoma tissues.
General notes	<p>ab238791 is the carrier-free version of ab227691.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>This product is FOR RESEARCH USE ONLY. For commercial use, please contact partnerships@abcam.com.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.20 Constituent: PBS
Carrier free	Yes
Purity	Protein A/G purified
Purification notes	Purified from TCS by protein A/G.
Clonality	Monoclonal
Clone number	SP295
Isotype	IgG

Applications

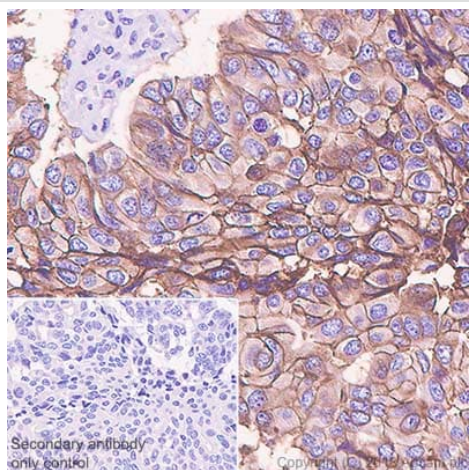
The Abpromise guarantee Our [**Abpromise guarantee**](#) covers the use of ab238791 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Predicted molecular weight: 36 kDa. Primary incubation for 1 hour at room temperature.
IHC-P		Use at an assay dependent concentration. Boil tissue section in EDTA buffer, pH 8.0 for 10 minutes followed by cooling at room temperature for 20 minutes. Primary incubation for 10 minutes at room temperature.

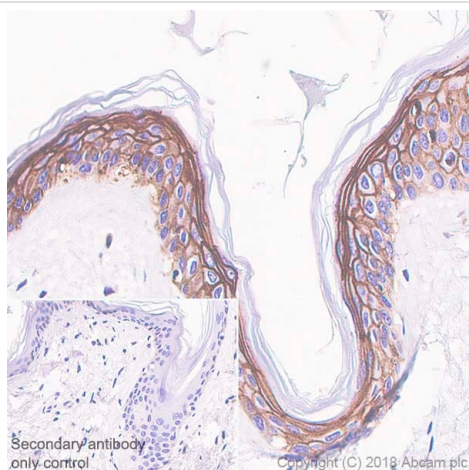
Target

Function	May function as a growth factor receptor.
Tissue specificity	Placenta, pancreatic carcinoma cell lines.
Involvement in disease	Defects in TACSTD2 are the cause of gelatinous drop-like corneal dystrophy (GDLD) [MIM:204870]; also known as lattice corneal dystrophy type III. GDLD is an autosomal recessive disorder characterized by grayish corneal amyloid deposits that cause severe visual impairment.
Sequence similarities	Belongs to the EPCAM family. Contains 1 thyroglobulin type-1 domain.
Post-translational modifications	The N-terminus is blocked.
Cellular localization	Membrane.



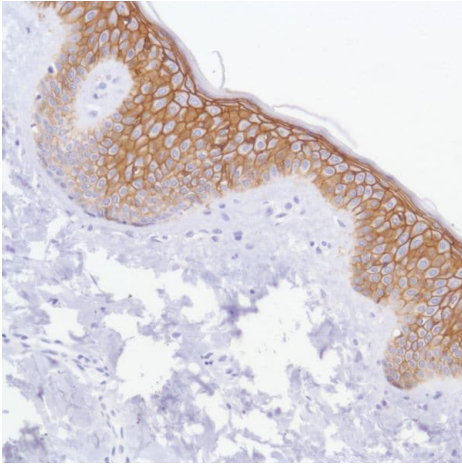
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human bladder carcinoma tissue sections labeling TROP2 with [ab227691](#) at 1/100 dilution (1.01 µg/ml). Heat mediated antigen retrieval with Bond™ Epitope Retrieval Solution 2 (pH 9.0) for 10mins. Rabbit specific IHC polymer detection kit HRP/DAB was used as the secondary antibody. Hematoxylin was used as a counterstain. Membranous staining on the human bladder carcinoma, performed on a Leica Biosystems BOND™ RX instrument.

The section was incubated with [ab228199](#) for 10 mins at room temperature. This image was generated using [ab227691](#), the same clone, but with a different buffer formulation.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human skin tissue sections labeling TROP2 with [ab227691](#) at 1/100 dilution (1.01 µg/ml). Heat mediated antigen retrieval with Bond™ Epitope Retrieval Solution 2 (pH 9.0) for 10mins. Rabbit specific IHC polymer detection kit HRP/DAB was used as the secondary antibody. Hematoxylin was used as a counterstain. Membranous staining on the human skin, performed on a Leica Biosystems BOND™ RX instrument.

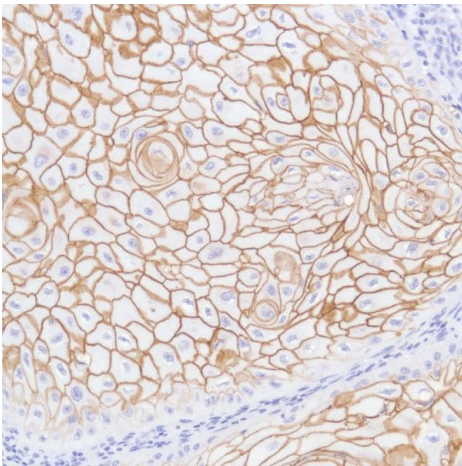
The section was incubated with [ab228199](#) for 10 mins at room temperature. This image was generated using [ab227691](#), the same clone, but with a different buffer formulation.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TROP2 antibody [SP295]
- BSA and Azide free (ab238791)

Formalin-fixed, paraffin-embedded human skin tissue stained for TROP2 using [**ab227691**](#) at a 1/100 dilution in immunohistochemical analysis.

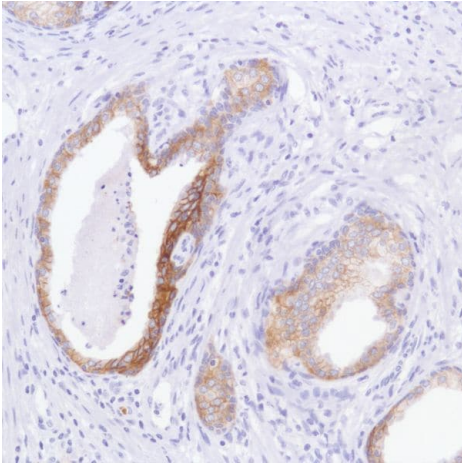
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([**ab227691**](#)).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TROP2 antibody [SP295]
- BSA and Azide free (ab238791)

Formalin-fixed, paraffin-embedded human skin squamous cell carcinoma tissue stained for TROP2 using [**ab227691**](#) at a 1/100 dilution in immunohistochemical analysis.

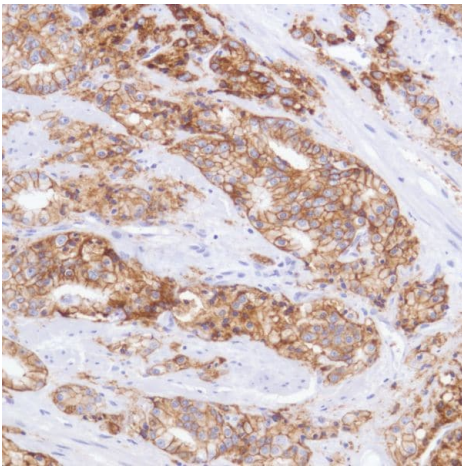
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([**ab227691**](#)).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TROP2 antibody [SP295]
- BSA and Azide free (ab238791)

Formalin-fixed, paraffin-embedded human prostate tissue stained for TROP2 using [**ab227691**](#) at a 1/100 dilution in immunohistochemical analysis.

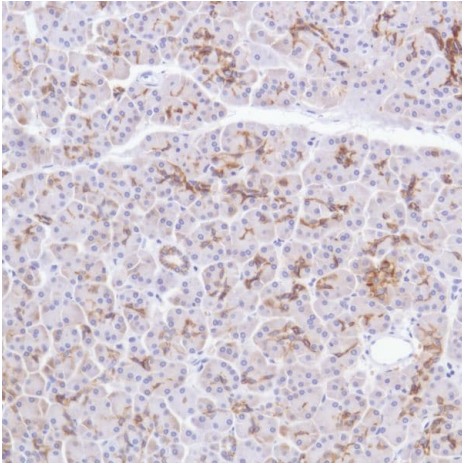
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([**ab227691**](#)).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TROP2 antibody [SP295]
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Formalin-fixed, paraffin-embedded human prostate adenocarcinoma tissue stained for TROP2 using [**ab227691**](#) at a 1/100 dilution in immunohistochemical analysis.

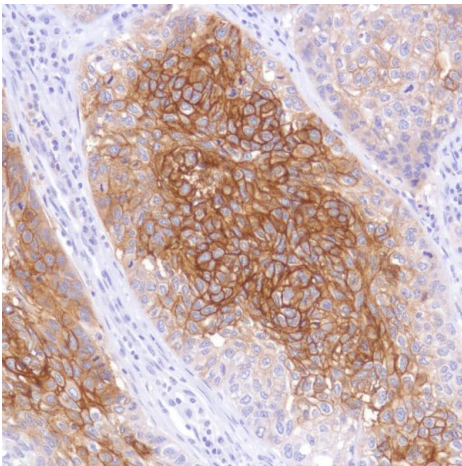
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([**ab227691**](#)).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TROP2 antibody [SP295]
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Formalin-fixed, paraffin-embedded human pancreas tissue stained for TROP2 using **ab227691** at a 1/100 dilution in immunohistochemical analysis.

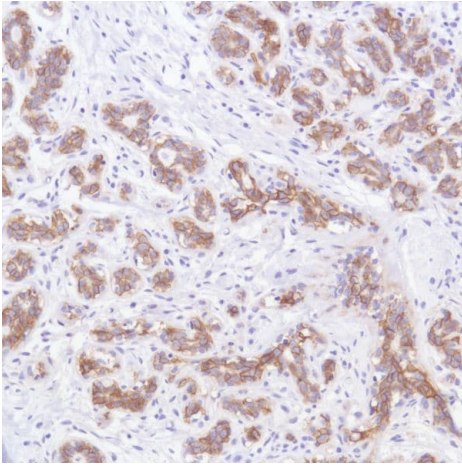
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab227691**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TROP2 antibody [SP295]
- BSA and Azide free (ab238791)

Formalin-fixed, paraffin-embedded human lung squamous cell carcinoma tissue stained for TROP2 using **ab227691** at a 1/100 dilution in immunohistochemical analysis.

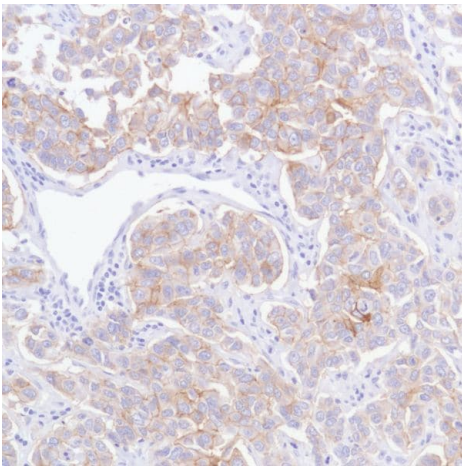
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab227691**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TROP2 antibody [SP295]
- BSA and Azide free (ab238791)

Formalin-fixed, paraffin-embedded human breast tissue stained for TROP2 using **ab227691** at a 1/100 dilution in immunohistochemical analysis.

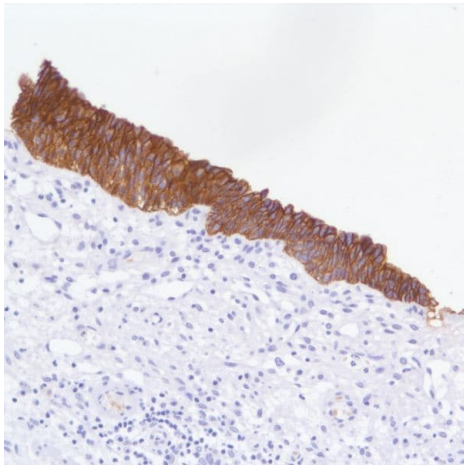
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab227691**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TROP2 antibody [SP295]
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Formalin-fixed, paraffin-embedded human breast ductal cell carcinoma tissue stained for TROP2 using **ab227691** at a 1/100 dilution in immunohistochemical analysis.

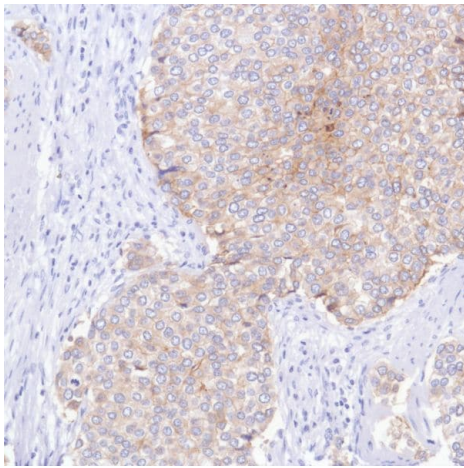
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab227691**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TROP2 antibody [SP295]
- BSA and Azide free (ab238791)

Formalin-fixed, paraffin-embedded human bladder tissue stained for TROP2 using [ab227691](#) at a 1/100 dilution in immunohistochemical analysis.

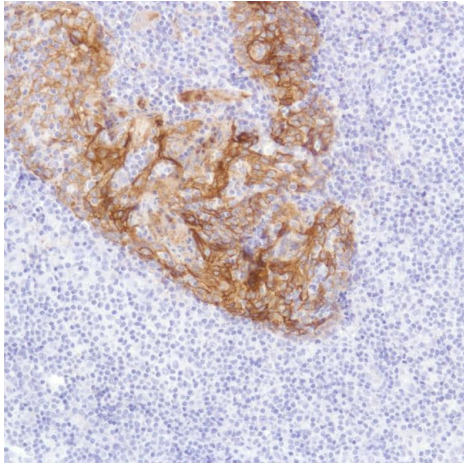
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab227691](#)).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TROP2 antibody [SP295]
- BSA and Azide free (ab238791)

Formalin-fixed, paraffin-embedded human bladder transitional cell carcinoma tissue stained for TROP2 using [ab227691](#) at a 1/100 dilution in immunohistochemical analysis.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab227691](#)).

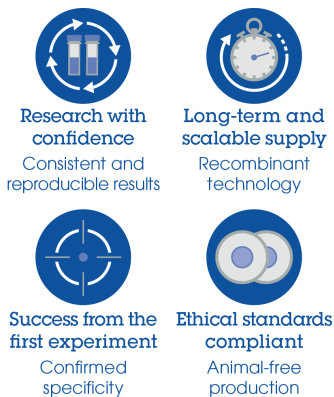


Formalin-fixed, paraffin-embedded human tonsil tissue stained for TROP2 using **ab227691** at a 1/100 dilution in immunohistochemical analysis.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, and sodium azide (**ab227691**).

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TROP2 antibody [SP295]
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Why choose a recombinant antibody?



Anti-TROP2 antibody [SP295] - BSA and Azide free (ab238791)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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