

Product datasheet

Anti-TROP2 antibody [TACSTD2/2152] ab238016

4 Images

Overview

Product name	Anti-TROP2 antibody [TACSTD2/2152]
Description	Mouse monoclonal [TACSTD2/2152] to TROP2
Host species	Mouse
Tested applications	Suitable for: Protein Array, IHC-P
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment within Human TROP2 aa 31-274. The exact sequence is proprietary. Database link: P09758
Positive control	IHC-P: Human colon carcinoma and pancreatic carcinoma tissue.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.05% Sodium azide Constituents: PBS, 0.05% BSA
Purity	Protein A/G purified
Purification notes	Purified from Bioreactor Concentrate by Protein A/G.
Clonality	Monoclonal
Clone number	TACSTD2/2152
Isotype	IgG1
Light chain type	kappa

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab238016 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
Protein Array		Use at an assay dependent concentration.
IHC-P		Use a concentration of 1 - 2 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. Incubate with primary antibody for 30 minutes at RT.

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 (GDL) [MIM:204870]; also known as lattice corneal dystrophy type III. GDL 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.

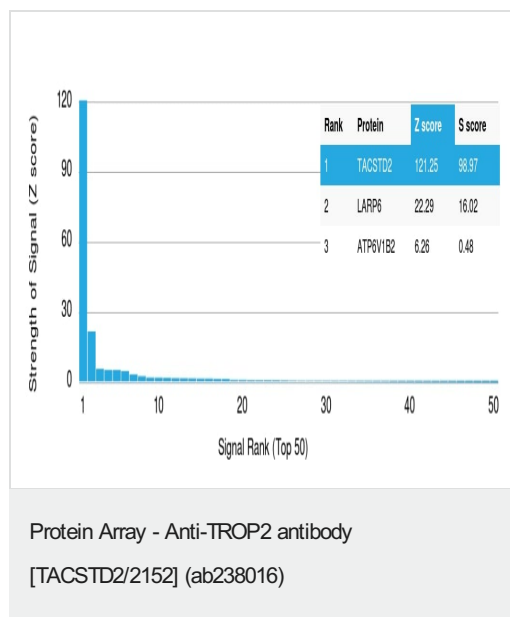
Post-translational modifications

The N-terminus is blocked.

Cellular localization

Membrane.

Images

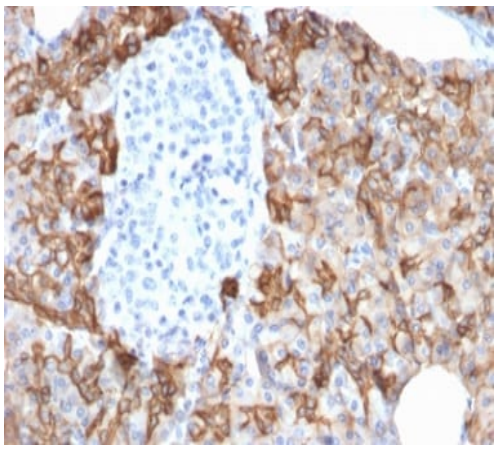


ab238016 was tested in protein array against over 19000 different full-length human proteins.

Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target.

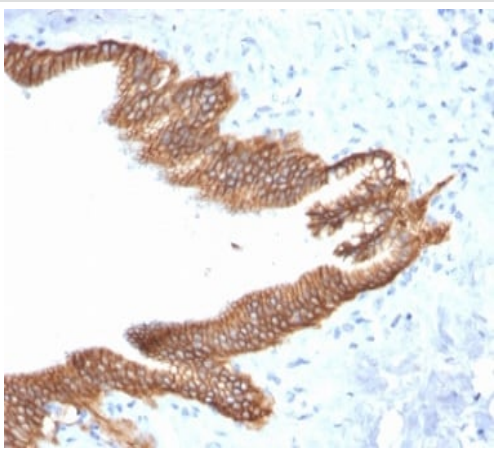
A MAb is specific to its intended target if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-

score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



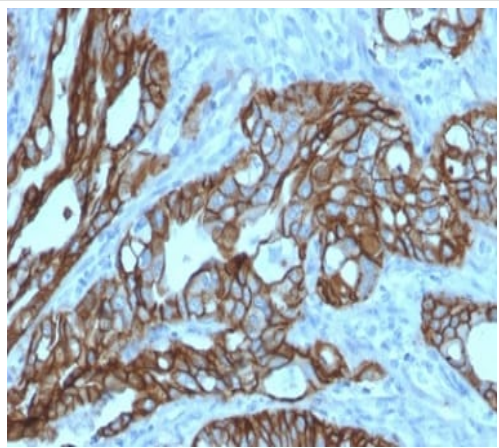
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TROP2 antibody [TACSTD2/2152] (ab238016)

Formalin-fixed, paraffin-embedded human pancreatic carcinoma tissue stained for TROP2 using ab238016 at 2 µg/ml in immunohistochemical analysis.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TROP2 antibody [TACSTD2/2152] (ab238016)

Formalin-fixed, paraffin-embedded human pancreatic carcinoma tissue stained for TROP2 using ab238016 at 2 µg/ml in immunohistochemical analysis.



Formalin-fixed, paraffin-embedded human colon carcinoma tissue stained for TROP2 using ab238016 at 2 µg/ml in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TROP2 antibody [TACSTD2/2152] (ab238016)

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

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