

Anti-Kallikrein 7/KLK7 antibody [EPR22594-203] - BSA and Azide free ab255328

Recombinant RabMAb

6 Images

Overview

Product name	Anti-Kallikrein 7/KLK7 antibody [EPR22594-203] - BSA and Azide free
Description	Rabbit monoclonal [EPR22594-203] to Kallikrein 7/KLK7 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: IHC-P, IHC-Fr, WB Unsuitable for: ICC/IF or IP
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Mouse skin lysate; rat skin lysate. IHC-P: Human skin tissue; mouse skin tissue; rat skin tissue. IHC-Fr: Mouse skin tissue; rat skin tissue.
General notes	<p>ab255328 is the carrier-free version of ab254258.</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>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR22594-203
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab255328 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
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
IHC-Fr		Use at an assay dependent concentration. Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20).
WB		Use at an assay dependent concentration. Detects a band of approximately 28 kDa (predicted molecular weight: 28 kDa).

Application notes Is unsuitable for ICC/IF or IP.

Target

Function May catalyze the degradation of intercellular cohesive structures in the cornified layer of the skin in the continuous shedding of cells from the skin surface. Specific for amino acid residues with aromatic side chains in the P1 position. SCCE cleaves insulin B chain at '6-Leu-Cys-7', '16-Tyr-Leu-17', '25-Phe-Tyr-26' and '26-Tyr-Thr-27'. Could play a role in the activation of precursors to inflammatory cytokines.

Tissue specificity Abundantly expressed in the skin and is expressed by keratinocytes in the epidermis. Also expressed in the brain, mammary gland, cerebellum, spinal cord and kidney. Lower levels in salivary glands, uterus, thymus, thyroid, placenta, trachea and testis. Up-regulated in ovarian carcinoma, especially late-stage serous carcinoma, compared with normal ovaries and benign adenomas (at protein level).

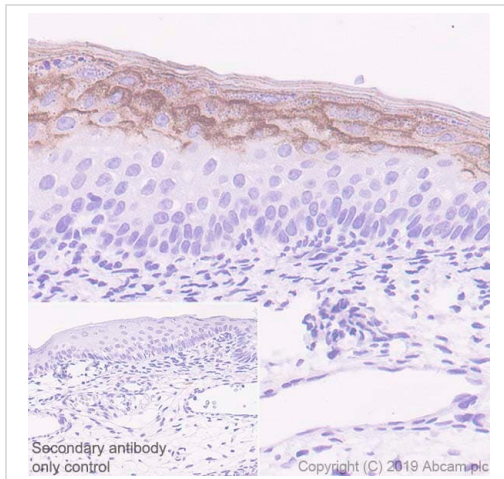
Sequence similarities

Belongs to the peptidase S1 family. Kallikrein subfamily.
Contains 1 peptidase S1 domain.

Cellular localization

Secreted. In ovarian carcinoma, secreted and also observed at the apical membrane and in cytoplasm at the invasive front.

Images

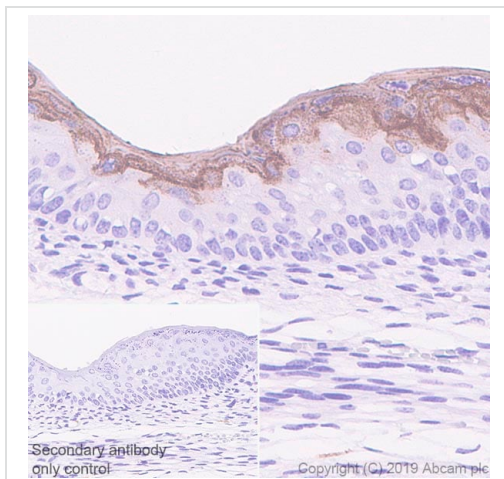


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Kallikrein 7/KLK7 antibody [EPR22594-203] - BSA and Azide free (ab255328)

Immunohistochemical analysis of paraffin-embedded rat skin tissue labelling KLK7 with [ab254258](#) at 1/500 dilution for 30 minutes at room temperature, followed by ready to use rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)). Positive staining on stratum corneum of rat skin (PMID 23999494). Hematoxylin used as a counterstain. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) was performed for 20 mins. The immunostaining was performed on a Leica Biosystems BOND[®] RX instrument.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is ready to use rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab254258](#)).

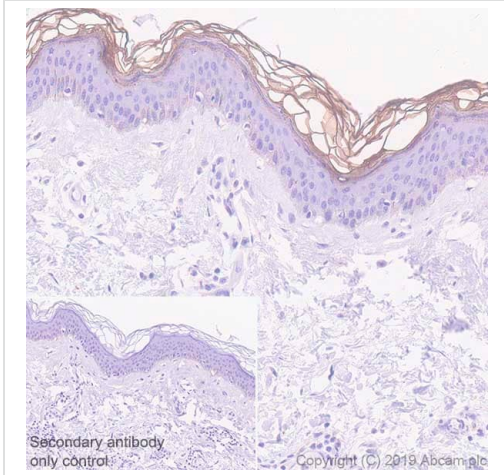


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Kallikrein 7/KLK7 antibody [EPR22594-203] - BSA and Azide free (ab255328)

Immunohistochemical analysis of paraffin-embedded mouse skin tissue labelling KLK7 with [ab254258](#) at 1/500 dilution for 30 minutes at room temperature, followed by ready to use rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)). Positive staining on stratum corneum of mouse skin (PMID 23999494). Hematoxylin used as a counterstain. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) was performed for 20 mins. The immunostaining was performed on a Leica Biosystems BOND[®] RX instrument.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is ready to use rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)).

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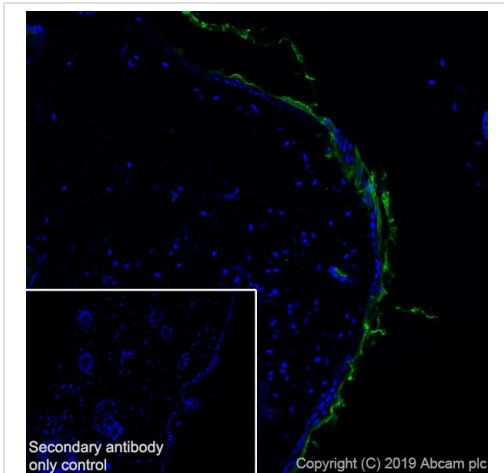


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Kallikrein 7/KLK7 antibody [EPR22594-203] - BSA and Azide free (ab255328)

Immunohistochemical analysis of paraffin-embedded human skin tissue labelling KLK7 with [ab254258](#) at 1/500 dilution for 30 minutes at room temperature, followed by ready to use rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)). Positive staining on stratum corneum of human skin (PMID 23999494). Hematoxylin used as a counterstain. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) was performed for 20 mins. The immunostaining was performed on a Leica Biosystems BOND[®] RX instrument.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is ready to use rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab254258](#)).

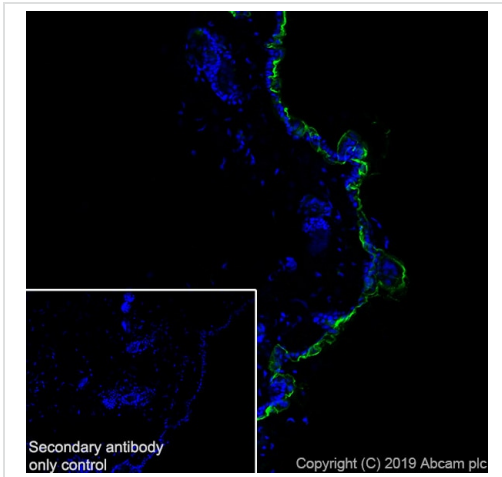


Immunohistochemistry (Frozen sections) - Anti-Kallikrein 7/KLK7 antibody [EPR22594-203] - BSA and Azide free (ab255328)

Immunohistochemical analysis of 0.2% Triton X-100 permeabilised, 4% PFA fixed rat skin tissue labelling KLK7 with [ab254258](#) at 1/100 dilution, followed by AlexaFluor[®]488 Goat anti-Rabbit secondary ([ab150077](#)) at 1/1000 dilution. DAPI was used as nuclear counterstain. Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20) was performed. Specific staining on stratum corneum of rat skin (PMID: 23999494).

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is AlexaFluor[®]488 Goat anti-Rabbit secondary ([ab150077](#)) at 1/1000 dilution.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab254258](#)).







Immunohistochemical analysis of 0.2% Triton X-100 permeabilised, 4% PFA fixed mouse skin tissue labelling KLK7 with [ab254258](#) at 1/100 dilution, followed by AlexaFluor®488 Goat anti-Rabbit secondary ([ab150077](#)) at 1/1000 dilution. DAPI used as nuclear counterstain. Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20) was performed. Specific staining on stratum corneum of mouse skin (PMID: 23999494).

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is AlexaFluor®488 Goat anti-Rabbit secondary ([ab150077](#)) at 1/1000 dilution.

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Immunohistochemistry (Frozen sections) - Anti-Kallikrein 7/KLK7 antibody [EPR22594-203] - BSA and Azide free (ab255328)

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

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