

Product datasheet

Anti-Plasma Kallikrein 1B antibody [EPR5707] - BSA and Azide free ab188827

Recombinant RabMAb

4 Images

Overview

Product name	Anti-Plasma Kallikrein 1B antibody [EPR5707] - BSA and Azide free
Description	Rabbit monoclonal [EPR5707] to Plasma Kallikrein 1B - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Human Does not react with: Mouse, Rat
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	Human breast cancer, Human plasma, Human ovary and fetal liver lysates; Human kidney tissue
General notes	ab188827 is the carrier-free version of ab124938 .

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.

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.

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.

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.

This product is a recombinant monoclonal antibody, which offers several advantages including:

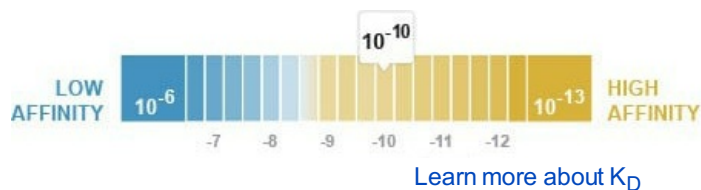
- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information [see here](#).

Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb[®] patents](#).

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Dissociation constant (K_D)	K _D = 1.09 x 10 ⁻¹⁰ M



Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR5707
Isotype	IgG

Applications

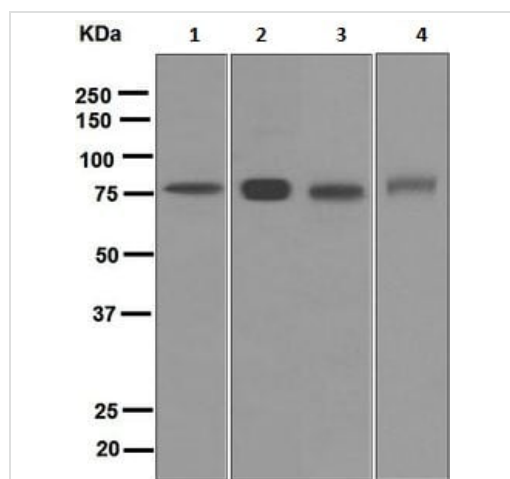
The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab188827 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		Use at an assay dependent concentration. Detects a band of approximately 80 kDa (predicted molecular weight: 71 kDa).

Target

Function	The enzyme cleaves Lys-Arg and Arg-Ser bonds. It activates, in a reciprocal reaction, factor XII after its binding to a negatively charged surface. It also releases bradykinin from HMW kininogen and may also play a role in the renin-angiotensin system by converting prorenin into renin.
Involvement in disease	Defects in KLKB1 are the cause of prekallikrein deficiency (PKK deficiency) [MIM:612423]; also known as Fletcher factor deficiency. This disorder is a blood coagulation defect.
Sequence similarities	Belongs to the peptidase S1 family. Plasma kallikrein subfamily. Contains 4 apple domains. Contains 1 peptidase S1 domain.
Cellular localization	Secreted.

Images



Western blot - Anti-Plasma Kallikrein 1B antibody [EPR5707] - BSA and Azide free (ab188827)

All lanes : Anti-Plasma Kallikrein 1B antibody [EPR5707] ([ab124938](#)) at 1/1000 dilution

Lane 1 : Human breast cancer lysate

Lane 2 : Human plasma lysate

Lane 3 : Human ovary lysate

Lane 4 : Fetal liver tissue lysate

Lysates/proteins at 10 µg per lane.

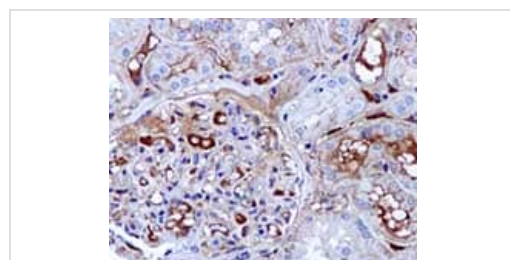
Secondary

All lanes : HRP labelled Goat anti Rabbit IgG at 1/2000 dilution

Predicted band size: 71 kDa

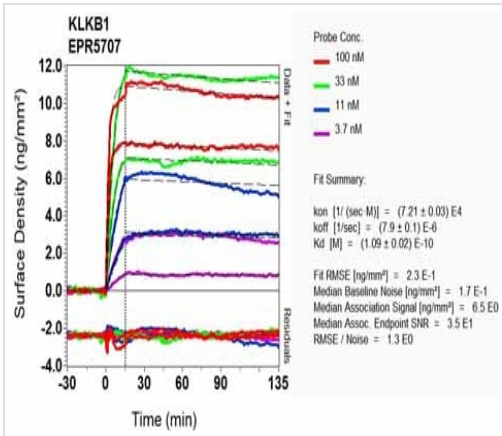
Observed band size: 80 kDa

This data was developed using [ab124938](#), the same antibody clone in a different buffer formulation.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Plasma Kallikrein 1B antibody [EPR5707] - BSA and Azide free (ab188827)

This data was developed using [ab124938](#), the same antibody clone in a different buffer formulation. [ab124938](#), at 1/50 dilution, staining Plasma Kallikrein 1B in paraffin-embedded Human kidney tissue by Immunohistochemistry. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



SPR Scanning - Anti-Plasma Kallikrein 1B antibody [EPR5707] - BSA and Azide free (ab188827)

This data was developed using [ab124938](#), the same antibody clone in a different buffer formulation. Equilibrium dissociation constant (K_D)

Learn more about K_D

[Click here to learn more about \$K_D\$](#)

Why choose a recombinant antibody?

Research with confidence
Consistent and reproducible results

Long-term and scalable supply
Recombinant technology

Success from the first experiment
Confirmed specificity

Ethical standards compliant
Animal-free production

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

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