




Product datasheet

Anti-PBK/SPK antibody ab220106

1 References 3 Images

Overview

Product name	Anti-PBK/SPK antibody
Description	Rabbit polyclonal to PBK/SPK
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Mouse 
Immunogen	Recombinant fragment (proprietary-tag) corresponding to Human PBK/SPK aa 4-136. Sequence: ISNFKTPSKLSEKKKSVLCSTPTINIPASPFMQKLGFGTGV NVYLMKRSP RGLSHSPWAVKKINPICNDHYRSVYQKRLMDEAKILKSLH HPNIVGYRAF TEANDGSLCLAMEYGG EKSLNDLIEERYKASQD Database link: Q96KB5  Run BLAST with  Run BLAST with
Positive control	IHC-P: Human testis and colon tissue; WB: RT-4 and U-251 MG cell line lysates.
General notes	This product was previously labelled as PBK

Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been "predicted to work with," however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own

labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. 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, as well as customer reviews and Q&As.

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: 7.20 Preservative: 0.02% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 59% PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab220106** in the following tested applications.

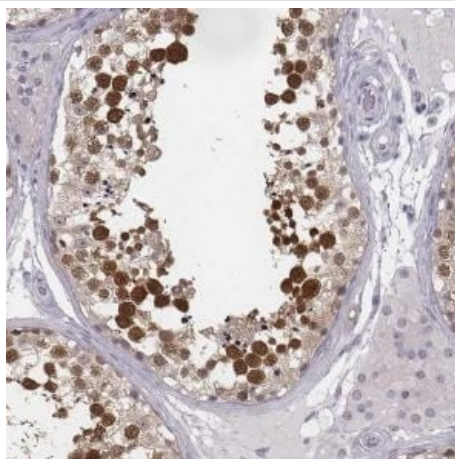
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 0.04 - 0.4 µg/ml. Predicted molecular weight: 36 kDa.
IHC-P		1/1000 - 1/2500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

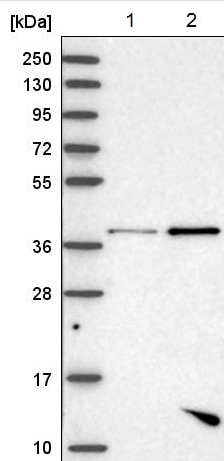
Function	Phosphorylates MAP kinase p38. Seems to be active only in mitosis. May also play a role in the activation of lymphoid cells. When phosphorylated, forms a complex with TP53, leading to TP53 destabilization and attenuation of G2/M checkpoint during doxorubicin-induced DNA damage.
Tissue specificity	Expressed in the testis and placenta. In the testis, restrictedly expressed in outer cell layer of seminiferous tubules.
Sequence similarities	Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. MAP kinase kinase subfamily. Contains 1 protein kinase domain.
Post-translational modifications	Phosphorylated; in a cell-cycle dependent manner at mitosis.

Images



Immunohistochemical analysis of formalin-fixed and paraffin-embedded Human testis tissue labeling PBK/SPK with ab220106 at 1/1000 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PBK/SPK antibody (ab220106)



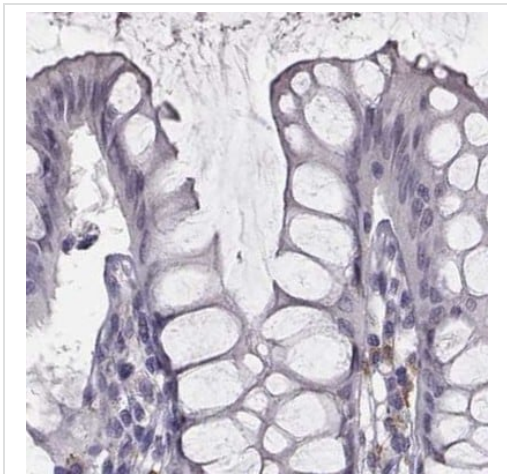
All lanes : Anti-PBK/SPK antibody (ab220106) at 1/250 dilution

Lane 1 : RT-4 cell line lysate

Lane 2 : U-251 MG cell line lysate

Predicted band size: 36 kDa

Western blot - Anti-PBK/SPK antibody (ab220106)



Immunohistochemical analysis of formalin-fixed and paraffin-embedded Human colon tissue labeling PBK/SPK with ab220106 at 1/1000 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PBK/SPK antibody (ab220106)

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

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