




Product datasheet

Anti-IP6K1 antibody ab243706

[2 Images](#)

Overview

Product name	Anti-IP6K1 antibody
Description	Rabbit polyclonal to IP6K1
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF
Species reactivity	<p>Reacts with: Human</p> <p>Predicted to work with: Mouse, Rat </p>
Immunogen	<p>Recombinant fragment corresponding to Human IP6K1 aa 84-152. Sequence:</p> <p>DSDGYINLVAYPYVESETVEQDDTTEREQPRRKHSRRSLH RSGSGSDHKE EKASLSLETSESSQEAKSP</p> <p>Database link: Q92551</p> <p style="text-align: right;">  Run BLAST with  Run BLAST with </p>
Positive control	WB: PC-3 cell lysate. ICC/IF: U-2 OS cells.
General notes	<p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>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.</p> <p>In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.</p> <p>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.</p> <p>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.</p> <p>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.</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: 7.20 Preservative: 0.02% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab243706** in the following tested applications.

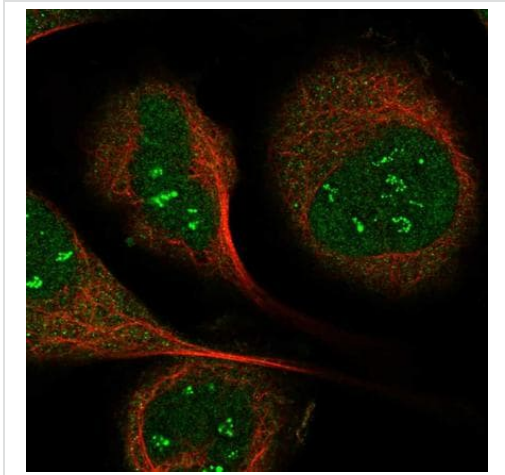
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 0.04 - 0.4 µg/ml. Predicted molecular weight: 50 kDa.
ICC/IF		Use a concentration of 0.25 - 2 µg/ml. Fixation/Permeabilization: PFA/Triton X-100.

Target

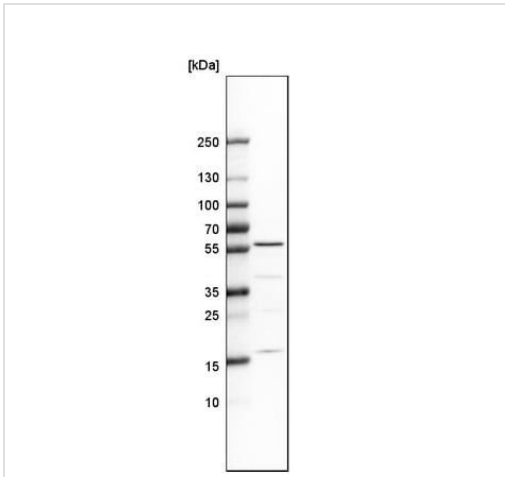
Function	Converts inositol hexakisphosphate (InsP6) to diphosphoinositol pentakisphosphate (InsP7/PP-InsP5). Converts 1,3,4,5,6-pentakisphosphate (InsP5) to PP-InsP4.
Sequence similarities	Belongs to the inositol phosphokinase (IPK) family.
Cellular localization	Cytoplasm. Nucleus.

Images



Immunocytochemistry/ Immunofluorescence - Anti-IP6K1 antibody (ab243706)

PFA-fixed, Triton X-100 permeabilized U-2 OS (human bone osteosarcoma epithelial cell line) cells stained for IP6K1 (green) using ab243706 at 4 $\mu\text{g/ml}$ in ICC/IF.



Western blot - Anti-IP6K1 antibody (ab243706)

Anti-IP6K1 antibody (ab243706) at 0.4 $\mu\text{g/ml}$ + PC-3 (human prostate adenocarcinoma cell line) cell lysate

Predicted band size: 50 kDa

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

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- Replacement or refund for products not performing as stated on the datasheet
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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
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