

Anti-IPPK/IPK1 antibody ab196781

3 Images

Overview

Product name	Anti-IPPK/IPK1 antibody
Description	Rabbit polyclonal to IPPK/IPK1
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF, IHC-P
Species reactivity	Reacts with: Mouse, Human
Immunogen	Synthetic peptide corresponding to Human IPPK/IPK1 (internal sequence). Database link: Q9H8X2
Positive control	RAW, K562, LOVO and 3T3 cell extracts. Human brain tissue. HepG2 cells.
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	<p>pH: 7.40</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituents: 49% PBS, 50% Glycerol (glycerin, glycerine), 0.87% Sodium chloride</p> <p>PBS without Mg²⁺ and Ca²⁺.</p>
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab196781 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		1/500 - 1/3000. Predicted molecular weight: 56 kDa.
ICC/IF		1/100 - 1/500.
IHC-P		1/50 - 1/100.

Target

Function

Phosphorylates Ins(1,3,4,5,6)P5 at position 2 to form Ins(1,2,3,4,5,6)P6 (InsP6 or phytate). InsP6 is involved in many processes such as mRNA export, non-homologous end-joining, endocytosis, ion channel regulation. It also protects cells from TNF-alpha-induced apoptosis.

Tissue specificity

Ubiquitously expressed, with high expression in heart, brain, testis and placenta.

Sequence similarities

Belongs to the IPK1 type 2 family.

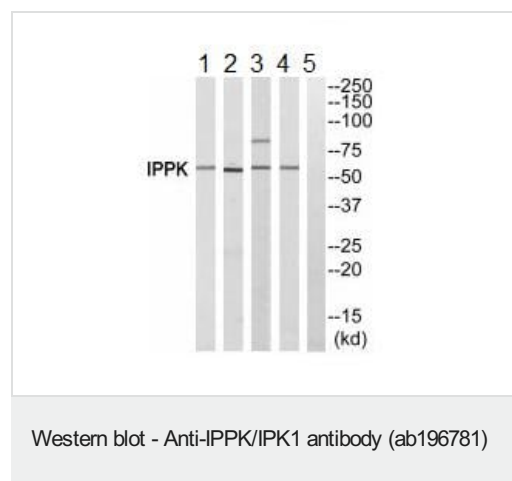
Domain

The EXKPK motif is conserved in inositol-pentakisphosphate 2-kinases of both family 1 and 2.

Cellular localization

Cytoplasm. Nucleus.

Images



All lanes : Anti-IPPK/IPK1 antibody (ab196781) at 1/500 dilution

Lane 1 : RAW cell extracts

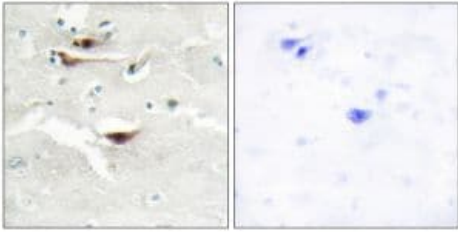
Lane 2 : K562 cell extracts

Lane 3 : LOVO cell extracts

Lane 4 : 3T3 cell extract

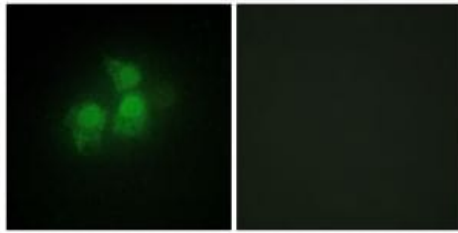
Lane 5 : Cell extracts with synthesized peptide

Predicted band size: 56 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IPPK/IPK1 antibody (ab196781)

Immunohistochemical analysis of paraffin-embedded Human brain tissue labeling IPPK/IPK1 with ab196781 at 1/50 dilution. The image on the right is pre-incubated with synthesized peptide.



Immunocytochemistry/ Immunofluorescence - Anti-IPPK/IPK1 antibody (ab196781)

Immunofluorescent analysis of HepG2 cells labeling IPPK/IPK1 with ab196781 at 1/100 dilution. The image on the right is pre-incubated with synthesized peptide.

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

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