abcam

Product datasheet

Anti-PDZK3/Pin1 antibody ab196631

1 References 2 Images

Overview

Product name	Anti-PDZK3/Pin1 antibody
Description	Rabbit polyclonal to PDZK3/Pin1
Host species	Rabbit
Tested applications	**Suitable for:** IHC-P, ICC/IF
Species reactivity	**Reacts with:** Human **Predicted to work with:** Mouse
Immunogen	Synthetic peptide corresponding to Human PDZK3/Pin1 (internal sequence). Database link: **O15018**
Positive control	Human prostate carcinoma tissue and HepG2 cells.
General notes	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. 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

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: 7.40 Preservative: 0.02% Sodium azide Constituents: 49% PBS, 50% Glycerol (glycerin, glycerine), 0.87% Sodium chloride PBS without Mg^{2+} and Ca^{2+}
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab196631 in the following tested applications.

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

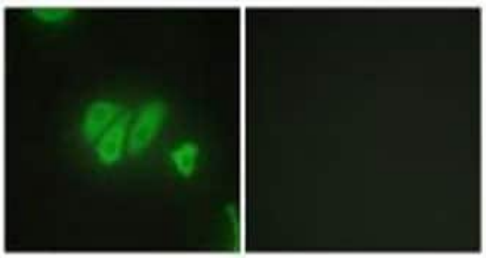
Application	Abreviews	Notes
IHC-P		1/50 - 1/100.
ICC/IF		1/100 - 1/500.

Target

Relevance Proteins containing PDZ domains have been shown frequently to bind the C-termini of transmembrane receptors or ion channels. They have also been shown to bind to other PDZ domain proteins and could possibly be involved in intracellular signalling. PDZK3 contains six PDZ domains and shares sequence similarity with pro-interleukin-16 (pro-IL-16). Like pro-IL-16, the encoded protein localizes to the endoplasmic reticulum and is thought to be cleaved by a caspase to produce a secreted peptide containing two PDZ domains. In addition, the PDZK3 gene is upregulated in primary prostate tumors and may be involved in the early stages of prostate tumorigenesis.

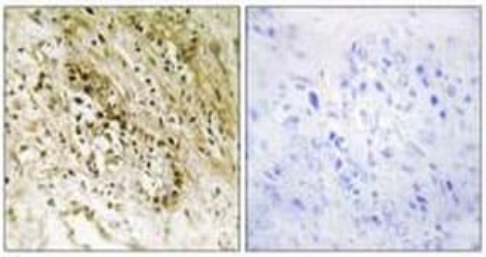
Cellular localization Cytoplasmic, Endoplasmic reticulum, Nuclear and Secreted

Images



Immunocytochemistry/ Immunofluorescence - Anti-PDZK3/Pin1 antibody (ab196631)

Immunofluorscence analysis of HepG2 cells labeling PDZK3/Pin1 with ab196631 at 1/100 dilution. The image on the right is treated with the synthesized peptide.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PDZK3/Pin1 antibody (ab196631)

Immunohistochemical analysis of formalin fixed and paraffin embedded Human prostate carcinoma tissue labeling PDZK3/Pin1 with ab196631 at 1/50 dilution. The image on the right is treated with the synthesized peptide.

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