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Datasheet for ABIN1680537
anti-ITPKB antibody (AA 1-260)

1 Image

Overview

Quantity:	100 µg
Target:	ITPKB
Binding Specificity:	AA 1-260
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ITPKB antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-260 of human ITPKB (NP_002212.3).
Sequence:	MAVYCYALNS LVIMNSANEM KSGGGPGPSG SETPPPPRRA VLSPGSVFSP GRGASFLFPP AESLSPEEPR SPGGWRSGRR RLNSSSGSGS GSSGSSVSSP SWAGRLRGDR QQVVAAGTLS PPGPEEAKRK LRILQRELQN VQVNQKVGGMF EAHIQAQSSA IQAPRSPRLG RARSPSPCPF RSSSQPPGRV LVQGARSEER RTKSWGEQCP ETSGTDSGRK GGPSLCSSQV KKGMPPLPGR AAPTGSEAQG PSAFVRMEKG
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

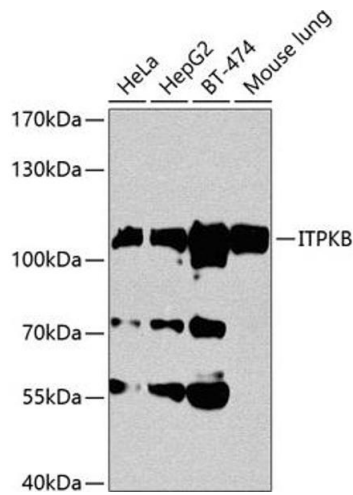
Target:	ITPKB
Alternative Name:	ITPKB (ITPKB Products)
Background:	The protein encoded by this protein regulates inositol phosphate metabolism by phosphorylation of second messenger inositol 1,4,5-trisphosphate to Ins(1,3,4,5)P4. The activity of this encoded protein is responsible for regulating the levels of a large number of inositol polyphosphates that are important in cellular signaling. Both calcium/calmodulin and protein phosphorylation mechanisms control its activity.,ITPKB,IP3-3KB,IP3K,IP3K-B,IP3KB,PIG37,Signal Transduction,Neuroscience,Calcium Signaling,ITPKB
Molecular Weight:	67 kDa/102 kDa
Gene ID:	3707
UniProt:	P27987

Application Details

Application Notes:	WB,1:200 - 1:2000
Restrictions:	For Research Use only

Handling

Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using ITPKB antibody (ABIN1680537, ABIN3018302, ABIN3018303 and ABIN6220431) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.