

ITPKB Polyclonal Antibody

Catalog number: 12816-1-AP

Size: 30 µg/150 µl

Source: Rabbit

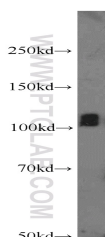
Isotype: IgG

Synonyms:

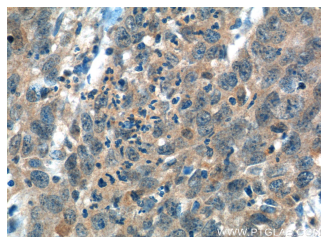
ITPKB; InsP 3 kinase B, IP3 3

kinase B, IP3K, IP3K B, IP3KB,

ITPKB, PIG37



mouse brain tissue were subjected to SDS PAGE followed by western blot with 12816-1-AP(ITPKB antibody) at dilution of 1:500



Immunohistochemistry of paraffin-embedded human cervical cancer tissue slide using 12816-1-AP(ITPKB Antibody) at dilution of 1:50 (under 40x lens)

Background

Inositol 1,4,5-trisphosphate 3-kinase isoform B (ITPKB) is also named as IP3KB and possesses important roles in the development of immune cells. IP3KB can be targeted to multiple cellular compartments, among them nuclear localization and binding in close proximity to the plasma membrane. The B isoform is the only IP3K that is almost ubiquitously expressed in mammalian cells(PMID:21148483).Three isoforms of IP3KB occur in mammals, which are distinguished by different molecular masses, sensitivity to Ca²⁺/CaM(calmodulin), intracellular distribution and tissue expression (PMID:16173920).

Applications

Tested applications:	ELISA, WB, IHC
Species specificity:	Human, Mouse, Rat; other species not tested.
Calculated ITPKB MW:	946aa,102 kDa
Observed ITPKB MW:	102-110 kDa
Positive WB detected in	Mouse brain tissue, K-562 cells, mouse lung tissue, mouse thymus tissue, rat brain tissue
Positive IHC detected in	Human cervical cancer tissue
Recommended dilution:	WB: 1:200-1:2000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag3456
GenBank accession number:	BC015009
Gene ID (NCBI):	3707
Full name:	Inositol 1,4,5-trisphosphate 3-kinase B

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.