

DNAxPAb

Hard-to-Find
Antibody

ITPKB DNAxPab

Catalog # H00003707-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human ITPKB DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MAVYCYALNSLVIMNSANEMKSGGGPGPSGSETPPPPRRAVLSPGSVFSPGRGASFLFPPAESL SPEEPRSPGGWRSGRRLNSSSGSGSGSSGSSVSSPSWAGRLRGDRQQVVAAGTLSPPGPE EAKRKLRLQRELQNV RVNQKVMFEAHIAQSSAIQAPRSPRLGRAHSPSPCPFRSSSQPPGR VLVQGARSEERTKSWGEQCPETSGTDSGRKGGPSLCSSQVKKGMPPLPGRAAPTGSEAQGP SAFVRMEKGIPASPRCGSPTAMEIDKRGSPTPGTRSC LAPSLGLFGASLT MATEVAARVTSTGPH RPQDLALTEPSGRARELEDLQPPEALVERQQQLGSETSPAPERGGPRDGEPPGKMKGYLPC GMPGSGEPEVGKRPEETTVSVQSAESSDALSWRLPRALASVGPEEARSGAPVGGGRWQLS DRVEGGSP TLG LLGGSPSAQPGTGNVEAGIPSGRMLEPLPCWDAAKDLKEPQCPPGDRVG VQ PGNSRVWQGTMEKAGLAWTRGTGVQSEGTWESQRQDS DALP SPELLPQDQDKPFLRKACSP SNIPAVIITDMGTQEDGALEETQGSPRGNLPLRKLSSSSASSTGFSSSYEDSEEDISSDPERTLDP NSAFLHTLDQQKPRV
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — ITPKB

Entrez GeneID [3707](#)

GeneBank Accession# [BC015009](#)

Protein Accession# [AAH15009.1](#)

Gene Name ITPKB

Gene Alias IP3K, IP3K-B, IP3KB, PIG37

Gene Description inositol 1,4,5-trisphosphate 3-kinase B

Omim ID [147522](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations 1D-myo-inositol-trisphosphate 3-kinase B|IP3 3-kinase|OTTHUMP00000035705|proliferation-inducing protein 37

Pathway

- [Calcium signaling pathway](#)
- [Inositol phosphate metabolism](#)
- [Metabolic pathways](#)
- [Phosphatidylinositol signaling system](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Tobacco Use Disorder](#)