

InsP6 Kinase 3 Polyclonal Antibody

Catalog No: YT2356

Reactivity: Human; Mouse

Applications: WB;IHC;IF;ELISA

Target: InsP6 Kinase 3

Fields: >>Phosphatidylinositol signaling system

Gene Name: IP6K3

Protein Name: Inositol hexakisphosphate kinase 3

Q96PC2

Q8BWD2

Human Gene Id: 117283

Human Swiss Prot

Idiliali Swiss Fiot

No:

Mouse Gene ld: 271424

Mouse Swiss Prot

No:

0:

Immunogen: The antiserum was produced against synthesized peptide derived from human

IP6K3. AA range:201-250

Specificity: InsP6 Kinase 3 Polyclonal Antibody detects endogenous levels of InsP6 Kinase

3 protein.

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution: WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:20000. Not

yet tested in other applications.

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.



Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 51kD

Background: This gene encodes a protein that belongs to the inositol phosphokinase (IPK)

family. This protein is likely responsible for the conversion of inositol

hexakisphosphate (InsP6) to diphosphoinositol pentakisphosphate (InsP7/PP-InsP5). It may also convert 1,3,4,5,6-pentakisphosphate (InsP5) to PP-InsP4. Alternative splicing results in multiple transcript variants encoding the same

protein.[provided by RefSeq, Dec 2008],

Function: catalytic activity:ATP + 1D-myo-inositol 1,3,4,5,6-pentakisphosphate = ADP +

diphospho-1D-myo-inositol tetrakisphosphate (isomeric configuration

unknown).,catalytic activity:ATP + 1D-myo-inositol hexakisphosphate = ADP + 5-diphospho-1D-myo-inositol (1,2,3,4,6)pentakisphosphate.,function:Converts inositol hexakisphosphate (InsP6) to diphosphoinositol pentakisphosphate (InsP7/PP-InsP5). Converts 1,3,4,5,6-pentakisphosphate (InsP5) to PP-InsP4.,similarity:Belongs to the inositol phosphokinase (IPK) family.,tissue

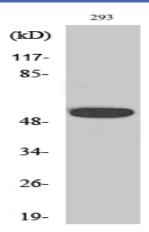
specificity:Detected in brain.,

Subcellular Location:

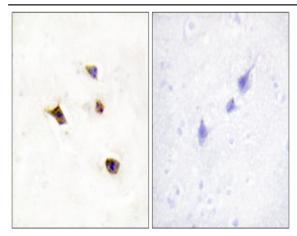
Cytoplasm.

Expression: Detected in brain.

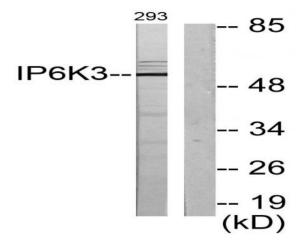
Products Images



Western Blot analysis of various cells using InsP6 Kinase 3 Polyclonal Antibody



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using IP6K3 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from 293 cells, using IP6K3 Antibody. The lane on the right is blocked with the synthesized peptide.