Best Tools for immunology Research

IP6K2 Polyclonal Antibody

Catalog No :	YT2382
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	IP6K2
Fields :	>>Phosphatidylinositol signaling system
Gene Name :	IP6K2
Protein Name :	Inositol hexakisphosphate kinase 2
Human Gene Id :	51447
Human Swiss Prot No :	Q9UHH9
Mouse Gene Id :	76500
Mouse Swiss Prot No :	Q80V72
Rat Gene Id :	59268
Rat Swiss Prot No :	Q9R0U1
Immunogen :	The antiserum was produced against synthesized peptide derived from human IP6K2. AA range:161-210
Specificity :	IP6K2 Polyclonal Antibody detects endogenous levels of IP6K2 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: 1:40000. 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 : 49kD

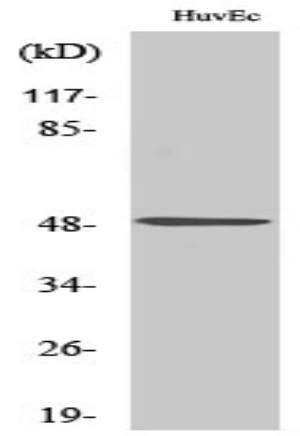
Background : This gene encodes a protein that belongs to the inositol phosphokinase (IPK) family. This protein is likely responsible for the conversion of inositol hexakisphosphate (InsP6) to diphosphoinositol pentakisphosphate (InsP7/PP-InsP5). It may also convert 1,3,4,5,6-pentakisphosphate (InsP5) to PP-InsP4 and affect the growth suppressive and apoptotic activities of interferon-beta in some ovarian cancers. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 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.,

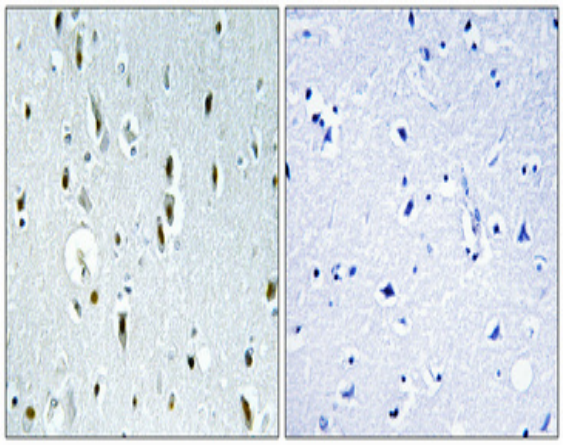
Subcellular Location : Nucleus .

Expression : Caudate nucleus,Glial tumor,Leukemia,Lung,Skin,Uterus,

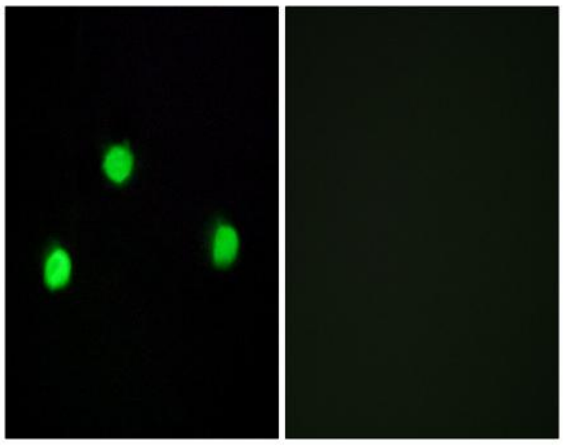
Products Images



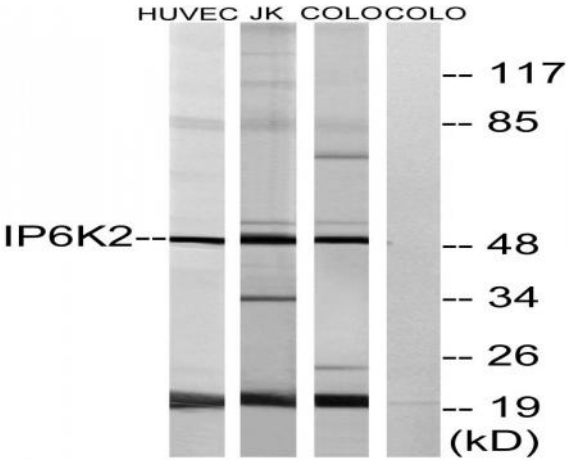
Western Blot analysis of various cells using IP6K2 Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).



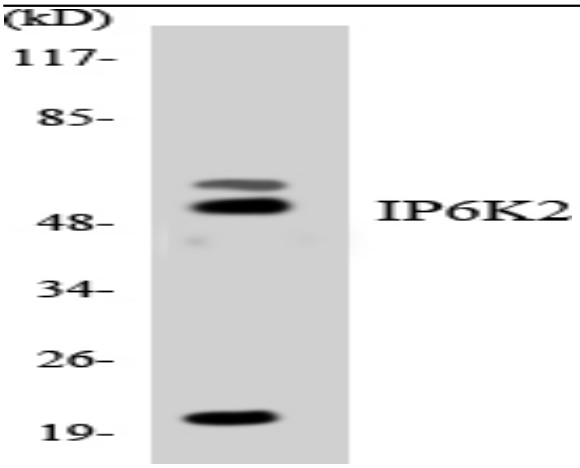
Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.



Immunofluorescence analysis of COS7 cells, using IP6K2 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HUVEC, COLO, and Jurkat cells, using IP6K2 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from K562 cells using IP6K2 antibody.