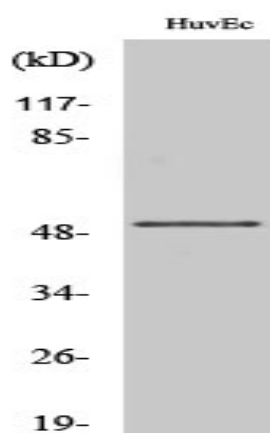


IP3KA Polyclonal Antibody

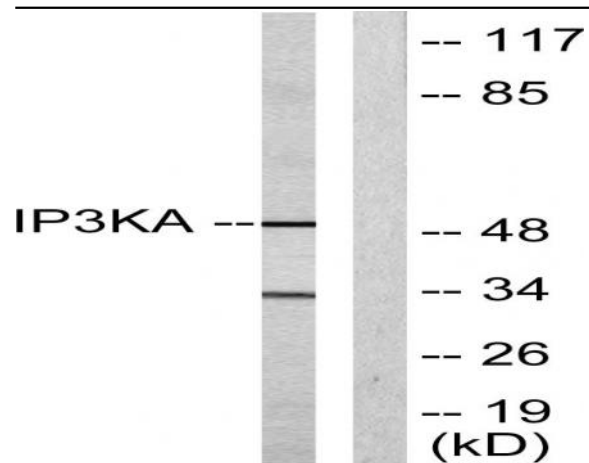
Catalog No :	YT2380
Reactivity :	Human;Mouse;Rat
Applications :	WB;ELISA;IHC
Target :	IP3KA
Fields :	>>Inositol phosphate metabolism;>>Metabolic pathways;>>Calcium signaling pathway;>>Phosphatidylinositol signaling system
Gene Name :	ITPKA
Protein Name :	Inositol-trisphosphate 3-kinase A
Human Gene Id :	3706
Human Swiss Prot No :	P23677
Mouse Gene Id :	228550
Mouse Swiss Prot No :	Q8R071
Rat Gene Id :	81677
Rat Swiss Prot No :	P17105
Immunogen :	The antiserum was produced against synthesized peptide derived from human IP3KA. AA range:396-445
Specificity :	IP3KA Polyclonal Antibody detects endogenous levels of IP3KA protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000;IHC 1:50-300; ELISA 2000-20000

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 :	52kD
Cell Pathway :	Inositol phosphate metabolism;Calcium;Phosphatidylinositol signaling system;
Background :	Regulates inositol phosphate metabolism by phosphorylation of second messenger inositol 1,4,5-trisphosphate to Ins(1,3,4,5)P4. The activity of the inositol 1,4,5-trisphosphate 3-kinase 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. It is also a substrate for the cyclic AMP-dependent protein kinase, calcium/calmodulin- dependent protein kinase II, and protein kinase C in vitro.[provided by RefSeq, Apr 2011],
Function :	catalytic activity:ATP + 1D-myo-inositol 1,4,5-trisphosphate = ADP + 1D-myo-inositol 1,3,4,5-tetrakisphosphate.,enzyme regulation:IP3K is activated by calmodulin.,similarity:Belongs to the inositol phosphokinase (IPK) family.,
Subcellular Location :	Cytoplasm, cytoskeleton .
Expression :	Expressed in brain.

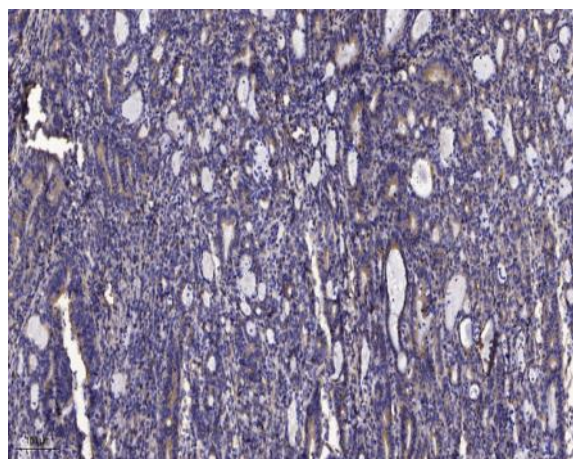
Products Images



Western Blot analysis of various cells using IP3KA Polyclonal Antibody



Western blot analysis of lysates from HUVEC cells, using IP3KA Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human Gastric adenocarcinoma. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).