

α-protein Kinase 1 Polyclonal Antibody

Catalog No :	YT5001
Reactivity :	Human;Mouse
Applications :	WB;IHC;IF;ELISA
Target :	α-protein Kinase 1
Gene Name :	ALPK1
Protein Name :	Alpha-protein kinase 1
Human Gene Id :	80216
Human Swiss Prot No :	Q96QP1
Mouse Swiss Prot No :	Q9CXB8
Immunogen :	The antiserum was produced against synthesized peptide derived from human ALPK1. AA range:11-60
Specificity :	α-protein Kinase 1 Polyclonal Antibody detects endogenous levels of α-protein Kinase 1 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 : 139kD

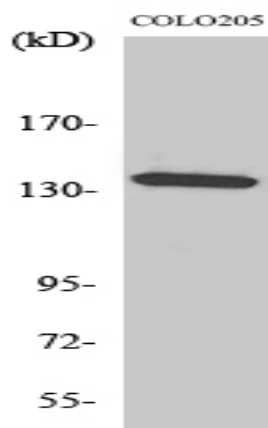
Background : This gene encodes an alpha kinase. Mice which were homozygous for disrupted copies of this gene exhibited coordination defects (PMID: 21208416). Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011],

Function : function:Kinases that recognize phosphorylation sites in which the surrounding peptides have an alpha-helical conformation.,similarity:Belongs to the protein kinase superfamily. Alpha-type protein kinase family. ALPK subfamily.,similarity:Contains 1 alpha-type protein kinase domain.,tissue specificity:Highly expressed in liver.,

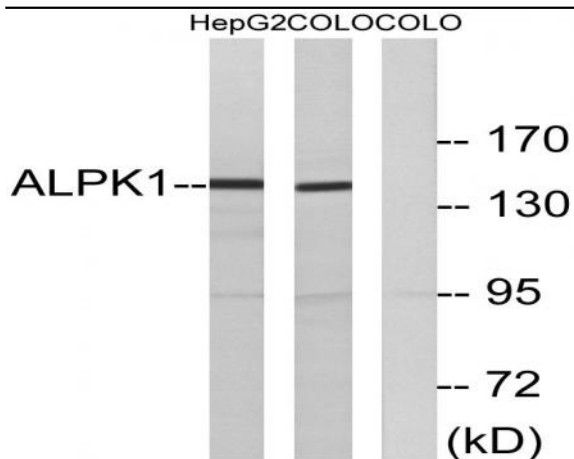
Subcellular Location : Cytoplasm, cytosol . Cytoplasm, cytoskeleton, spindle pole . Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Cell projection, cilium . Localized at the base of primary cilia. .

Expression : Highly expressed in liver. Expressed in the optic nerve and retinal pigmented epithelium. Lower expression is observed in the macula and extramacular retina (PubMed:30967659).

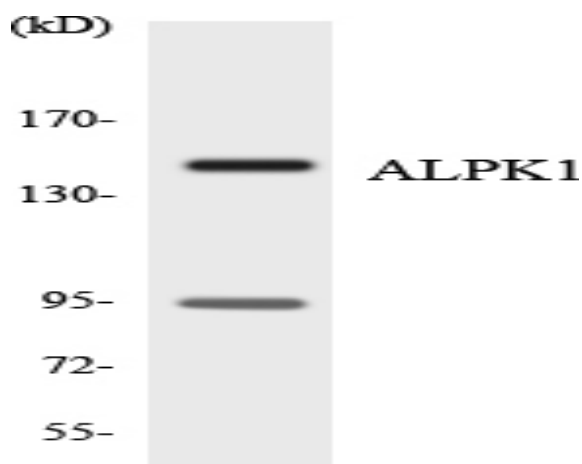
Products Images



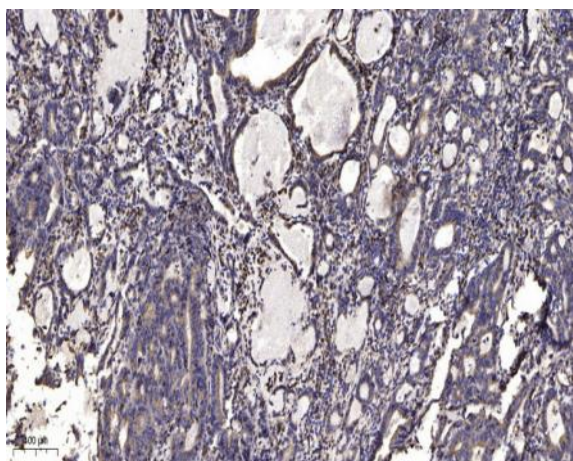
Western Blot analysis of various cells using α -protein Kinase 1 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Western blot analysis of lysates from COLO and HepG2 cells, using ALPK1 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from 293 cells using ALPK1 antibody.



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).