



α -protein Kinase 1 Monoclonal Antibody

Catalog No	YP-mAb-15036
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	ALPK1
Immunogen	The antiserum was produced against synthesized peptide derived from human ALPK1. AA range:11-60
Specificity	α -protein Kinase 1 Monoclonal 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	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	$\geq 90\%$
Storage Stability	-20°C/1 year
Synonyms	84341J1Rik;Alpha protein kinase 1;Alpha-protein kinase 1;ALPK1;ALPK1_HUMAN;Chromosome 4 kinase;LAK;Lymphocyte alpha kinase;Lymphocyte alpha protein kinase;Lymphocyte alpha-protein kinase;RGD134613; α -protein Kinase 1;KIAA1527
Observed Band	139kD
Calculated Molecular Weight	139kD
Cell Pathway	Cytoplasm, cytosol . Cytoplasm, cytoskeleton, spindle pole . Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Cell projection, cilium . Localized at the base of primary cilia. .
Tissue Specificity	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).
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.,

**Background**

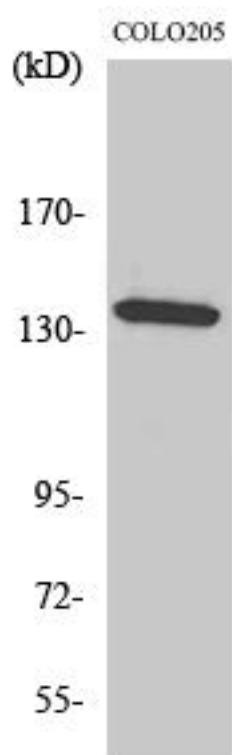
This gene encodes an alpha kinase. Mice which were homozygous for disrupted copies of this gene exhibited coordination defects (PMID: 21208416). Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images

Western Blot analysis of various cells using α -protein Kinase 1 Monoclonal Antibody