KDIS Rabbit pAb

CatalogNo: YN3496

Key Features

Host Species	Reactivity	Applications
• Rabbit	• Human,Rat	• WB

MW	Isotype
• 195kD (Calculated)	• IgG

Recommended Dilution Ratios

WB 1:500-2000

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	Synthesized peptide derived from human KDIS AA range: 1023-1073
Specificity	This antibody detects endogenous levels of KDIS at Human/Rat

Target Information

Gene name	KIDINS220 ARMS KIAA1250

Protein Name KDIS

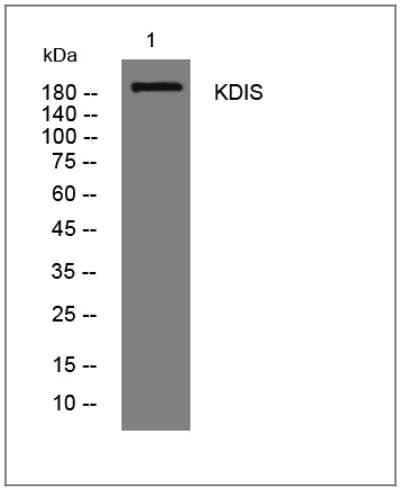
Organism	Gene ID	UniProt ID
Human	57498;	Q9ULH0;
Rat	116478;	Q9EQG6;

Cellular Localization Membrane ; Multi-pass membrane protein . Late endosome . Localized at late endosome before or after nerve growth factor (NGF) stimulation.

Tissue specificity Abundant in developing and adult neural tissues as well as neuroendocrine cells and dendritic cells. Overexpressed in melanoma and melanoma cell lines.

Function Domain:The transmembrane domain mediates interaction with NTRK1.,Function:Promotes a prolonged MAP-kinase signaling by neurotrophins through activation of a Rap1-dependent mechanism. Provides a docking site for the CRKL-C3G complex, resulting in Rap1-dependent sustained ERK activation. May play an important role in regulating postsynaptic signal transduction through the syntrophin-mediated localization of receptor tyrosine kinases such as EPHA4. In cooperation with SNTA1 can enhance EPHA4-induced JAK/STAT activation. May play a role in neurotrophin- and ephrin-mediated neuronal outgrowth and in axon guidance during neural development and in neuronal regeneration (By similarity). Modulates stress-induced apoptosis of melanoma cells via regulation of the MEK/ERK signaling pathway.,PTM:Tyrosine phosphorylated by NTRK1, NTRK2, EPHB2 and EPHA4. Phosphorylation at Ser-918 is induced by phorbol ester treatment. Phosphorylation by NTRK2 is induced by brain-derived neurotrophic factor (BDNF) and neurotrophin-4/5. Phosphorylation by NTRK1 is induced by nerve growth factor (NGF).,similarity:Contains 12 ANK repeats.,subunit:Interacts with NTRK1, NTRK2, NTRK3, ERKL and NGFR. Can form a ternary complex with NGFR and NTRK1 and this complex is affected by the expression levels of KIDINS220/ARMS. An increase in KIDINS220/ARMS expression leads to a decreased association of NGFR and NTRK1. Interacts with SNTA1 and SNTB2 and binds to their PDZ domains. Interacts with EPHA4 and PRKD1.,tissue specificity:Abundant in developing and adult neural tissues as well as neuroendocrine cells and dendritic cells. Overexpressed in melanoma and melanoma cell lines.,

Validation Data



Western blot analysis of lysates from 3T3 cells, primary antibody was diluted at 1:1000, 4°over night

Contact information

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