

KIF12 Rabbit pAb

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Catalog # AP56527

Product Information

Application	WB
Primary Accession	Q96FN5
Reactivity	Human
Predicted	Rat, Pig, Dog, Mouse, Rabbit, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	71098
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human KIF12
Epitope Specificity	301-400/646
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm; cytoskeleton.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	KIF12 is a member of the kinesin superfamily of microtubule-associated molecular motors (see MIM 148760) that play important roles in intracellular transport and cell division (Nakagawa et al., 1997 [PubMed 9275178]).[supplied by OMIM, Mar 2008]

Additional Information

Gene ID	113220
Other Names	Kinesin-like protein KIF12, KIF12
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	KIF12
Function	Involved in the negative regulation of fatty acid biosynthesis, probably acting as an adapter that allows ubiquitination of acetyl-CoA carboxylase 1 (ACACA)

by E3 ubiquitin-protein ligase COP1, and promotes ACACA degradation (PubMed:[39920308](#)). The adapter function requires the C-terminal proline-rich domain and may be apart from the kinesin motor activity (Probable).

Cellular Location

Cytoplasm, cytoskeleton. Cell projection, cilium
{ECO:0000250|UniProtKB:Q9D2Z8}

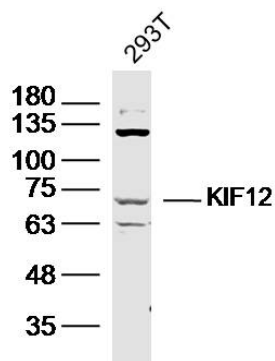
Tissue Location

Expressed in fetal liver, adult brain and pancreatic islet as well as in kidney tumors, uterus cancer and pancreatic cancer.

Background

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Images



Sample: 293T Cell (Human) Lysate at 40 ug
Primary: Anti-KIF12 (AP56527) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 71 kD
Observed band size: 71 kD

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.