KIF4A Rabbit pAb

Catalog No.: A10193 3 Publications



Basic Information

Observed MW

140kDa

Calculated MW

140kDa

Category

Primary antibody

Applications

WB,IHC-P,IF/ICC,ELISA

Cross-Reactivity

Human, Mouse, Rat

Background

This gene encodes a member of the kinesin 4 subfamily of kinesin related proteins. The encoded protein is an ATP dependent microtubule-based motor protein that is involved in the intracellular transport of membranous organelles. This protein also associates with condensed chromosome arms and may be involved in maintaining chromosome integrity during mitosis. This protein may also be involved in the organization of the central spindle prior to cytokinesis. A pseudogene of this gene is found on chromosome X.

Recommended Dilutions

WB 1:1000 - 1:3000

IHC-P 1:50 - 1:200

IF/ICC 1:100 - 1:200

ELISA Recommended starting

concentration is 1 µg/mL.

Please optimize the
concentration based on
your specific assay
requirements.

Immunogen Information

Gene ID24137

Swiss Prot
095239

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

KIF4; KIF4G1; MRX100; XLID100; KIF4A

Contact

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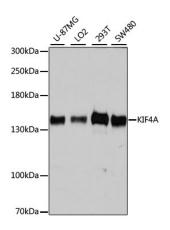
Product Information

SourceIsotypePurificationRabbitIgGAffinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

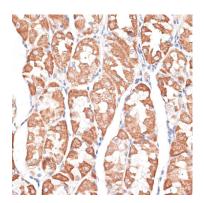


Western blot analysis of various lysates using KIF4A Rabbit pAb (A10193) at 1:7000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

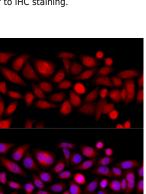
Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020).

Exposure time: 10s.



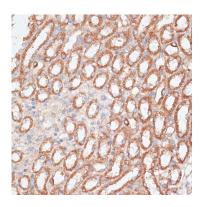
Immunohistochemistry analysis of paraffinembedded Human stomach using KIF4A Rabbit pAb (A10193) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunofluorescence analysis of HeLa cells using KIF4A Rabbit pAb (A10193) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of paraffinembedded Rat heart using KIF4A Rabbit pAb (A10193) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with $0.01\mbox{M}$ PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Mouse kidney using KIF4A Rabbit pAb (A10193) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.