

Recombinant Anti-Kinesin 2 Rabbit mAb

Catalog # AP95347

Product Information

Application	WB, IHC, FC, IP, IF/IC
Primary Accession	Q07866
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal
Calculated MW	65310

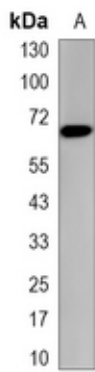
Additional Information

Gene ID	3831
Other Names	KLC; KNS2; Kinesin light chain 1; KLC 1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within human Kinesin 2 protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~1:10~50 IP~~N/A IF/IC~~N/A
Format	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

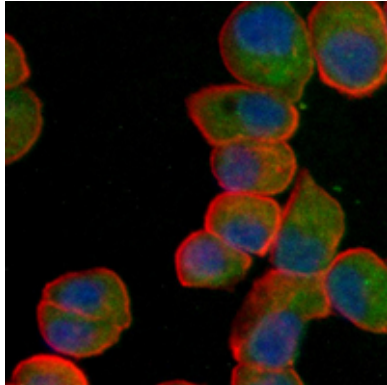
Protein Information

Name	KLC1
Synonyms	KLC, KNS2
Function	Kinesin is a microtubule-associated force-producing protein that may play a role in organelle transport (PubMed: 21385839). The light chain may function in coupling of cargo to the heavy chain or in the modulation of its ATPase activity (By similarity).
Cellular Location	Cell projection, growth cone {ECO:0000250 UniProtKB:P37285}. Cytoplasmic vesicle. Cytoplasm, cytoskeleton
Tissue Location	Found in a variety of tissues. Mostly abundant in brain and spine.

Images



Western blot analysis of Kinesin 2 expression in HeLa (A) whole cell lysates. (Predicted band size: 65 kD; Observed band size: 65 kD)



Immunofluorescent analysis of Kinesin 2 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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