

Product Name: KD-Validated Kinesin Family Member 11 Recombinant Rabbit Monoclonal Antibody

Catalog #: KVA01823

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 119.2kDa

Antigen Information

Gene Name	KIF11
Alternative Names	KIF11; Kinesin Family Member 11; TRIP5; KNSL1; HKSP; EG5; Thyroid Receptor-Interacting Protein 5; Kinesin-Like Spindle Protein HKSP; Kinesin-Related Motor Protein Eg5; Kinesin-Like Protein KIF11; TR-Interacting Protein 5; Kinesin-Like Protein 1; TRIP-5; Kinesin-Like 1; MCLMR; Eg5
Gene ID	3832.0
SwissProt ID	P52732
Immunogen	A synthesized peptide derived from human Eg5

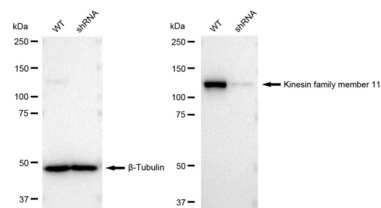
Background

This gene encodes a motor protein that belongs to the kinesin-like protein family. Members of this protein family are known to be involved in various kinds of spindle dynamics. The function of this gene product includes chromosome positioning, centrosome separation and establishing a bipolar spindle during cell mitosis. [provided by RefSeq, Jul 2008]

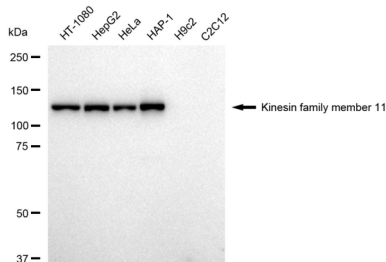
Research Area

Signal Transduction, Epigenetics and Nuclear Signaling

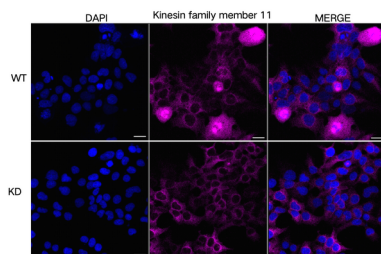
Image Data



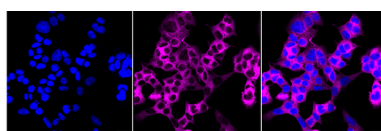
Western blotting analysis using kinesin family member 11 antibody (KVA01823). Kinesin family member 11 expression in wild type (WT) and kinesin family member 11 (KIF11) shRNA knockdown (KD) 293T cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with kinesin family member 11 antibody (KVA01823, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



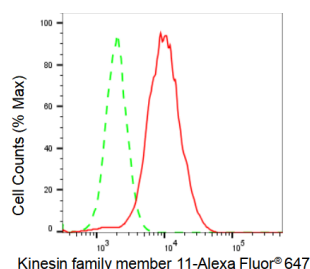
Western blotting analysis using Kinesin family member 11 antibody (KVA01823). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Kinesin family member 11 antibody (KVA01823, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of 293T cells using Kinesin family member 11 antibody (KVA01823, 1:1,000), Top panel: wild-type (WT); Bottom panel: Kinesin family member 11 shRNA knockdown (KD). Nuclei were stained blue with DAPI; Kinesin family member 11 was stained magenta with Alexa Fluor® 647. Scale bar, 20 µm.



Immunocytochemical staining of HAP-1 cells with Kinesin family member 11 antibody (KVA01823, 1:1,000). Nuclei were stained blue with DAPI; Kinesin family member 11 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.



Flow cytometric analysis of Kinesin family member 11 expression in HAP-1 cells using Kinesin family member 11 antibody (KVA01823, 1:2,000). Green, isotype control; red, Kinesin family member 11.