

Product Name: KD-Validated Phospho-KIF22 (S427) Recombinant Rabbit Monoclonal Antibody

Catalog #: KVA00351

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,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; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 73.3kDa

Antigen Information

Gene Name	KIF22 KIF22; Kinesin Family Member 22; OBP-1; OBP-2; KNSL4; Kid; Kinesin-Like Protein KIF22;
Alternative Names	Kinesin-Like Protein 4; Origin Of Plasmid DNA Replication-Binding Protein; Kinesin-Like DNA-Binding Protein Pseudogene; Kinesin-Like DNA-Binding Protein; OriP Binding Protein; Kinesin-Like 4; A-328A3.2; SEMDJL2; OBP; KID
Gene ID	3835.0
SwissProt ID	Q14807
Immunogen	A synthesized peptide derived from human Phospho-KIF22 (S427)

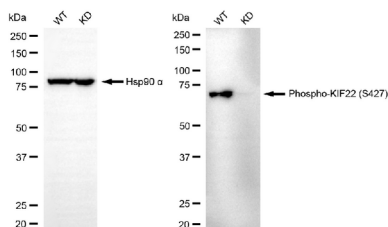
Background

The protein encoded by this gene is a member of the kinesin-like protein family. The family members are microtubule-dependent molecular motors that transport organelles within cells and move chromosomes during cell division. The C-terminal half of this protein has been shown to bind DNA. Studies with the *Xenopus* homolog suggests its essential role in metaphase chromosome alignment and maintenance. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2012]

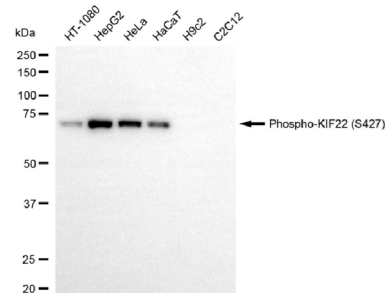
Research Area

Signal Transduction

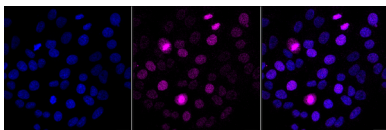
Image Data



Western blotting analysis using phospho-KIF22 (S427) antibody (KVA00351). Phospho-KIF22 (S427) expression in wild-type (WT) and KIF22 shRNA knockdown (KD) HT-1080 cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with phospho-KIF22 (S427) antibody (KVA00351, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using phospho-KIF22 (S427) antibody (KVA00351). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with phospho-KIF22 (S427) antibody (KVA00351, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with Phospho-KIF22 (S427) antibody (KVA00351, 1:1,000). Nuclei were stained blue with DAPI; Phospho-KIF22 (S427) 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.