

Product Name: KD-Validated KATNAL1 Mouse Monoclonal Antibody**Catalog #: KVA00290**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Mouse 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 1:500-1:2,500; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 55.4kDa

Antigen Information

Gene Name	KATNAL1 KATNAL1; Katanin Catalytic Subunit A1 Like 1; Katanin P60 ATPase-Containing Subunit A-
Alternative Names	Like 1; Katanin Catalytic Subunit A Like 1; Katanin P60 Subunit A-Like 1; Katanin P60 Subunit A Like 1; P60 Katanin-Like 1; MGC2599; EC 5.6.1.1; EC 3.6.4.3
Gene ID	84056.0
SwissProt ID	Q9BW62
Immunogen	Recombinant protein of human KATNAL1

Background

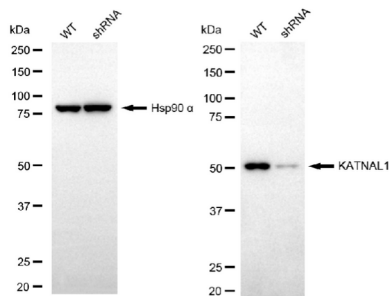
Enables identical protein binding activity and microtubule severing ATPase activity. Involved in microtubule severing. Located in cytosol; microtubule cytoskeleton; and mitochondrion. Part of katanin complex. [provided by Alliance of Genome Resources,

Jul 2025]

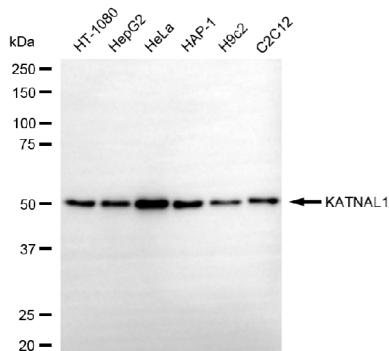
Research Area

Cell Biology

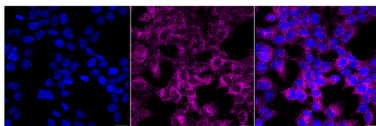
Image Data



Western blotting analysis using KATNAL1 antibody (KVA00290). KATNAL1 expression in wild-type (WT) and KATNAL1 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 KATNAL1 antibody (KVA00290, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using KATNAL1 antibody (KVA00290). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with KATNAL1 antibody (KVA00290, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Immunocytochemical staining of HeLa cells with KATNAL1 antibody (KVA00290, 1:1,000). Nuclei were stained blue with DAPI; KATNAL1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Low. Scale bar, 20 µm.