

Product Name: KD-Validated Nesprin3 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVAb01197

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: 112.2kDa

Antigen Information

Gene Name	SYNE3
Alternative Names	SYNE3; Spectrin Repeat Containing Nuclear Envelope Family Member 3; Nesprin-3; LINC00341; NET53; Long Intergenic Non-Protein Coding RNA 341; Nuclear Envelope Spectrin Repeat Protein 3; KASH Domain-Containing Protein 3; NCRNA00341; C14orf139; FLJ25605; C14orf49; Nesp3; KASH3; Chromosome 14 Open Reading Frame 139; Chromosome 14 Open Reading Frame 49; Uncharacterized Protein C14orf113; Non-Protein Coding RNA 341; C14ORF139; NESPRIN-3; C14ORF49; NESP3
Gene ID	161176.0
SwissProt ID	Q6ZMZ3
Immunogen	A synthesized peptide derived from human Nesprin3

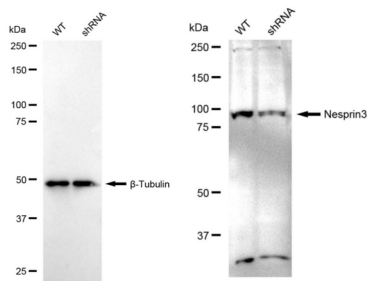
Background

Enables actin filament binding activity and cytoskeleton-nuclear membrane anchor activity. Involved in cytoskeleton organization; establishment of protein localization to membrane; and regulation of cell shape. Located in nuclear membrane. Part of meiotic nuclear membrane microtubule tethering complex. Biomarker of Huntington's disease. [provided by Alliance of Genome Resources, Jul 2025]

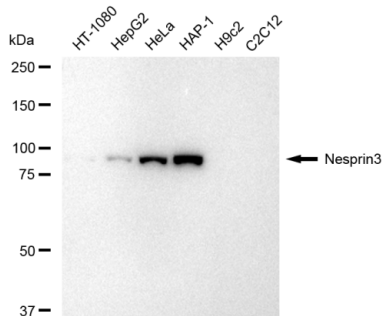
Research Area

Signal Transduction

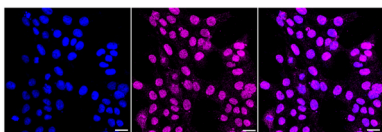
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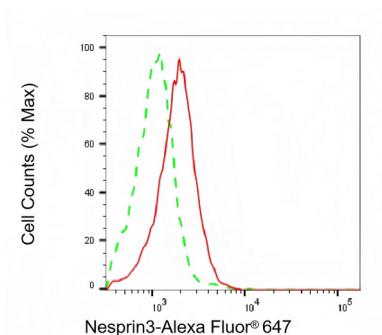
Western blotting analysis using Nesprin3 antibody (KVA01197). Nesprin3 expression in wild type (WT) and Nesprin3 shRNA knockdown (KD) HT-1080 cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with Nesprin3 antibody (KVA01197, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using Nesprin3 antibody (KVA01197). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Nesprin3 antibody (KVA01197, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HAP-1 cells with Nesprin3 antibody (KVA01197, 1:1,000). Nuclei were stained blue with DAPI; Nesprin3 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.



Flow cytometric analysis of Nesprin3 expression in HAP-1 cells using Nesprin3 antibody (KVA01197, 1:2,000). Green, isotype control; red, Nesprin3.