

Product Name: KD-Validated NEDD9 Mouse Monoclonal Antibody**Catalog #: KVA00376**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM,IHC-P
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2a
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 1:400-1:2,000; FC 1:200-1:2,000; IHC-P 1:100-1:200
Molecular Weight	Calculated MW: 92.9kDa

Antigen Information

Gene Name	NEDD9
Alternative Names	NEDD9; Neural Precursor Cell Expressed, Developmentally Down-Regulated 9; CAS-L; CASS2; HEF1; Cas Scaffolding Protein Family Member 2; Neural Precursor Cell Expressed Developmentally Down-Regulated Protein 9; Renal Carcinoma Antigen NY-REN-12; Enhancer Of Filamentation 1; CASL; Crk-Associated Substrate Related Protein Cas-L; CRK-Associated Substrate-Related Protein; Enhancer Of Filamentation 1 P55; P130Cas-Related Protein; Cas-Like Docking; Cas-Like; NEDD-9; CAS2; CasL; P105
Gene ID	4739.0
SwissProt ID	Q14511
Immunogen	Recombinant protein of human NEDD9

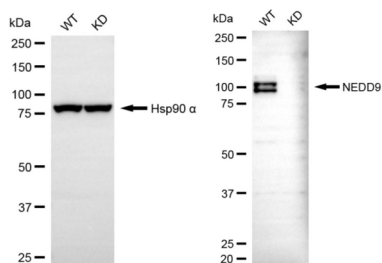
Background

The protein encoded by this gene is a member of the CRK-associated substrates family. Members of this family are adhesion docking molecules that mediate protein-protein interactions for signal transduction pathways. This protein is a focal adhesion protein that acts as a scaffold to regulate signaling complexes important in cell attachment, migration and invasion as well as apoptosis and the cell cycle. This protein has also been reported to have a role in cancer metastasis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2012]

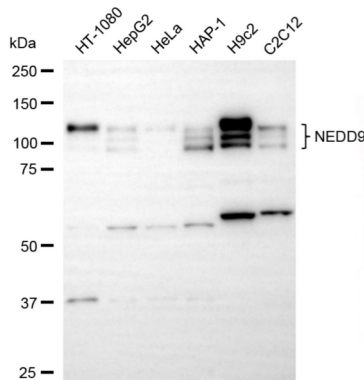
Research Area

Cell Biology, Epigenetics and Nuclear Signaling, Cancer

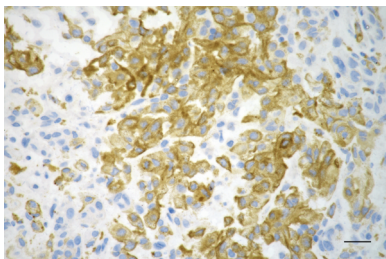
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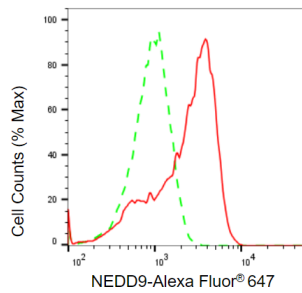
Western blotting analysis using NEDD9 antibody (KVA00376). NEDD9 expression in wild-type (WT) and NEDD9 knockdown (KD) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with NEDD9 antibody (KVA00376, 1:2,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using NEDD9 antibody (KVA00376). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with NEDD9 antibody (KVA00376, 1:2,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Immunohistochemistry was performed on paraffin-embedded human melanoma using NEDD9 antibody (KVA00376, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 µm.



Flow cytometric analysis of NEDD9 expression in H9c2 cells using NEDD9 antibody (KVA00376, 1:2,000). Green, isotype control; red, NEDD9.