

NEDD9 monoclonal antibody, clone 2G9

Catalog # MAB2476

Size 100 uL

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant NEDD9.
Immunogen	Recombinant GST fusion protein corresponding to amino acids 82-398 of human NEDD9.
Host	Mouse
Reactivity	Human, Mouse, Rat
Specificity	human, mouse, rat NEDD9. Does not recognize p130Cas. Have not tested on Sin1. This mAb mostly detects HEF1 localized at the focal adhesion sites.
Form	Liquid
Purification	Protein G purification
Isotype	IgG1, kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Recommend Usage	Western Blot (1:1000) Immunoprecipitation (1:2000-1:6000) Immunofluorescence (1:500) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation

Gene Info — NEDD9

Entrez GeneID	4739
Gene Name	NEDD9
Gene Alias	CAS-L, CAS2, CASL, CASS2, HEF1, dJ49G10.2, dJ761I2.1
Gene Description	neural precursor cell expressed, developmentally down-regulated 9
Omim ID	602265
Gene Ontology	Hyperlink
Gene Summary	O
Other Designations	Cas scaffolding protein family member 2 Crk-associated substrate related OTTHUMP00000016030 cas-like docking dJ49G10.2 (Enhancer of Filamentation 1 (HEF1)) dJ761I2.1 (enhancer of filamentation (HEF1)) enhancer of filamentation 1

Publication Reference

- [NEDD9 overexpression correlates with poor prognosis in gastric cancer.](#)

Liu Y, Wang D, Zhao KL, Zhu JW, Yin HB, Wei YZ, Wu ZJ, Cheng GJ, Wang F, Ni F, Wang XL, Cao GX, Huang J, Cai J.
Tumour Biology 2014 Jul; 35(7):6351.

Application: IHC, Human, Gastric

- [The hematopoietic isoform of Cas-Hef1-associated signal transducer regulates chemokine-induced inside-out signaling and T cell trafficking.](#)

Regelmann AG, Danzl NM, Wanjalla C, Alexandropoulos K.
Immunity 2006 Dec; 25(6):907.

Application: IP, Mouse, Mouse T cells

- [The Cas family docking protein, HEF1, promotes the formation of neurite-like membrane extensions.](#)

Bargon SD, Gunning PW, O'Neill GM.

Biochimica et Biophysica Acta 2005 Dec; 1746(2):143.

Application: IS, WB-Tr, Human, HEF1.M1, HEF1.M2 cells

- [Proteolysis of the docking protein HEF1 and implications for focal adhesion dynamics.](#)

O'Neill GM, Golemis EA.

Mol Cell Biol 2001 Aug; 21(15):5094.

Application: WB, Human, MCF-7 cells

Disease

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