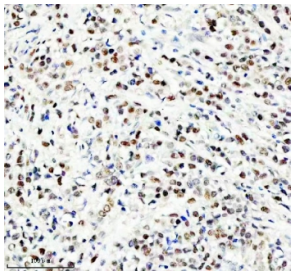
NEDD9 Antibody / CAS-L / hEF1 (R31702)

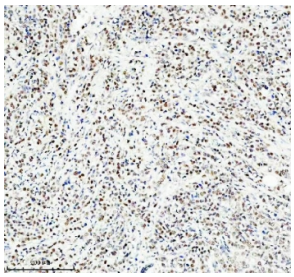
Catalog No.	Formulation	Size
R31702	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

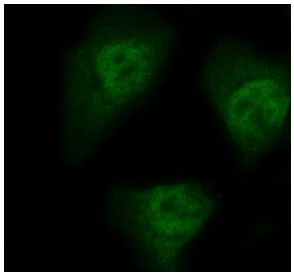
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat, Monkey
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q14511
Gene ID	4739
Localization	Nuclear, cytoplasmic
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Immunofluorescence: 5ug/ml Flow cytometry: 1-3ug/million cells
Limitations	This NEDD9 antibody is available for research use only.



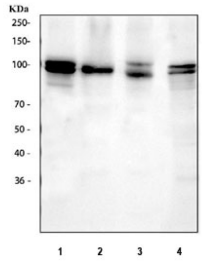
IHC staining of FFPE human breast cancer tissue with NEDD9 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



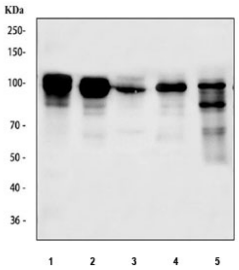
IHC staining of FFPE human breast cancer tissue with NEDD9 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



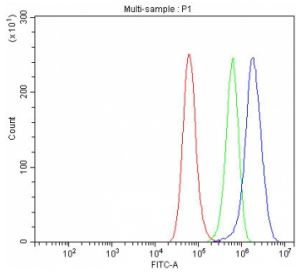
Immunofluorescent staining of FFPE human HeLa cells with NEDD9 antibody. HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) human A549, 2) human Daudi, 3) monkey COS-7 and 4) mouse lung tissue lysate with NEDD9 antibody. Predicted molecular weight: ~93 kDa.



Western blot testing of 1) human A549, 2) human Daudi, 3) human MCF7, 4) rat spleen and 5) mouse spleen tissue lysate with NEDD9 antibody. Predicted molecular weight: ~93 kDa.



Flow cytometry testing of fixed and permeabilized human A549 cells with NEDD9 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= NEDD9 antibody.

Description

Neural cell expressed developmentally down regulated 9, also called Enhancer of filamentation 1 (EF1), is a protein that in humans is encoded by the NEDD9 gene. 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. NEDD9 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. It has also been reported to have a role in cancer metastasis. NEDD9 is a highly relevant cancer gene that governs metastatic potential in human melanoma. Additionally, it has been speculated that it may be an important linking element between extracellular signaling and regulation of the cytoskeleton.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the NEDD9 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Human partial recombinant protein (AA 273-E21) was used as the immunogen for this NEDD9 antibody.

Storage

After reconstitution, the NEDD9 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Copyright © NSJ Bioreagents. All rights reserved.