

AbboMax, Inc

Innovation at Work

Rabbit anti Neurofibromin Antibody

Alternate Names: NF1, Neurofibromin-1, 2, 3

Order Information

Description: Rabbit anti-Neurofibromin
Catalogue#: 620-260
Lot#: See the label
Size: 100 ug/200 ul
Host: Rabbit
Clone: N/A
Application: ELISA, WB
Reactivity: Hu, Rt, Ms, Bv, Dg

ANTIGEN PREPARATION

A synthetic peptide corresponding to the C terminus of human neurofibromin. This sequence is identical among human, rat, mouse, chicken, bovine and dog.

BACKGROUND

The neurofibromatosis type 1 (NF1) tumor suppressor (neurofibromin) is thought to play crucial roles in cellular Ras- and cAMP-dependent kinase (PKA)-associated signals. The absence of or alteration of the neurofibromin protein may lead to neurofibromatosis disease. Recently, a cellular neurofibromin-associating protein, NG,NG-dimethylarginine dimethylaminohydrolase (DDAH) has been identified as a cellular NO/NOS regulator which increases PKA phosphorylation of native neurofibromin in a dose-dependent manner. The PKA accessibility of neurofibromin regulated via DDAH interaction may modulate the cellular function of neurofibromin that is implicated in NF1-related pathogenesis.

PURIFICATION

The Rabbit IgG is purified by Epitope Affinity Purification.

SPECIFICITY

This antibody recognizes ~240 kDa of human neurofibromin protein. This antibody also reacts with mouse, rat, chicken, bovine and dog. The other species are not tested.

FORMULATION

This affinity purified antibody is supplied in sterile phosphate-buffered saline (pH7.2) containing antibody stabilizer

STORAGE

The antibodies are stable for 12 months from date of receipt when stored at -20°C to -70°C. The antibodies can be stored at 2°C-8°C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

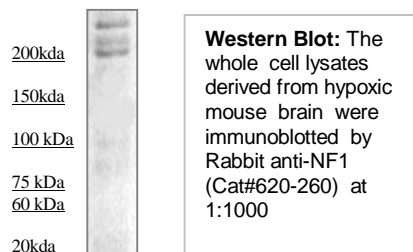
APPLICATIONS/SUGGESTED WORKING DILUTIONS

Western Blot	0.1-1 µg/ml
ELISA	0.01-0.1 µg/ml
Immunoprecipitation	2-5 µg/ml
IHC	Not tested
Flow cytometry	Not tested

MOLECULAR WEIGHT:	240 kDa
POSITIVE CONTROL:	Mouse brain
CELLULAR LOCATION:	N/A

Optimal dilutions should be determined by researchers for the specific applications.

DATA ATTACHMENTS



REFERENCES

Tokuo H. Phosphorylation of neurofibromin by cAMP-dependent protein kinase is regulated via a cellular association of NG,NG-dimethylarginine dimethylaminohydrolase. FEBS Letters, Volume 494, Issue 1 - 2, Pages 48 - 53

FOR RESEARCH USE ONLY.

AbboMax, Inc 1161 Ringwood Ct. Suite 100, San Jose, California 95131, USA
1 408-321-9898 (Tel). 1 408-321-9896 (Fax). 1-866-628-9898 www.abbomax.com info@abbomax.com