

Product datasheet for **TA354838**

Neurofibromin (NF1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	Dot, WB
Recommended Dilution:	WB 0.1-1 µg/ml ELISA 0.01-0.1 µg/ml IP 2-5 µg/ml IHC 2-10 µg/ml FC 5-10 µg/ml
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic peptide surrounding the epitope –PTSPY- with a phosphorylation site of Ser2741 of human neurofibromin. This sequence is identical among human, rat, mouse, chicken, bovine and dog.
Formulation:	This affinity purified antibody is supplied in sterile Tris-buffered saline (pH7.2) containing antibody stabilizer.
Purification:	The Rabbit IgG is purified by site-modified Epitope Affinity Purification.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	240 kDa
Gene Name:	neurofibromin 1
Database Link:	NP_000258 Entrez Gene 4763 Human P21359



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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.

Synonyms:

NFNS; VRNF; WSS

Protein Families:

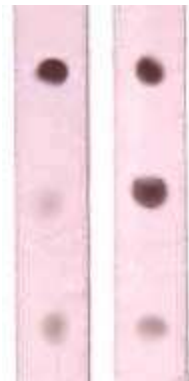
Druggable Genome

Protein Pathways:

MAPK signaling pathway

Product images:


WB: The whole cell lysates derived from hypoxic mouse brain were immunoblotted by Rabbit antiN-F1 (pSer2741) at 1:1000



DB: 1 ug peptide was blot onto NC membrane
 A: NF1 (pS2741) B: NF1 (Nonphospho); C: Non-related phosphospecific PP were blotted at a 1:1000 dilution by: 1: Rabbit anti-NF1 (p2741); 2: Rabbit anti-NF1 (paired 2741)