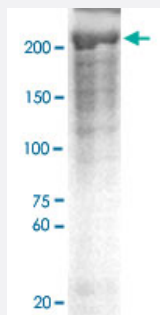


NF1 (phospho S2741) polyclonal antibody

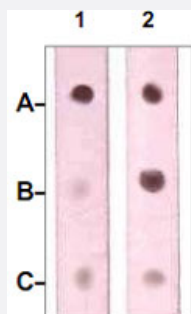
Catalog # PAB12637 Size 100 ug

Applications



Western Blot (Tissue lysate)

The tissue lysates derived from hypoxic mouse brain were immunoblotted by NF1 (phospho S2741) polyclonal antibody (Cat # PAB12637) at 1 : 1000.



Dot Blot (Peptide)

Dot Blot : 1 ug peptide was blot onto NC membrane.

A : NF1 (pS2741).

B : NF1 (Non-phospho).

C : Non-related phospho-specific phosphopeptide.

Followed were blotted at a 1 : 1000 dilution by :

1. NF1 (phospho S2741) polyclonal antibody (Cat # PAB12637).
2. NF1 polyclonal antibody (Cat # PAB12636).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of NF1.
Immunogen	Synthetic phosphopeptide corresponding to residues surrounding S2741 of human NF1.
Sequence	PTSPY
Host	Rabbit
Theoretical MW (kDa)	240
Reactivity	Bovine, Dog, Human, Mouse, Rat

Specificity	This antibody recognizes ~240 KDa of human NF1 at the phosphorylation site of Ser 2741. It does not cross react to non-phospho NF1.
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Western Blot (0.1-1 ug/mL) ELISA (0.01-0.1 ug/mL) Immunoprecipitation (2-5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In TBS, pH 7.2 (BSA, 10% Proclin300)
Storage Instruction	Store at 4°C. For long term storage store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

The tissue lysates derived from hypoxic mouse brain were immunoblotted by NF1 (phospho S2741) polyclonal antibody (Cat # PAB12637) at 1 : 1000.

- Immunoprecipitation

- Enzyme-linked Immunoabsorbent Assay

- Dot Blot (Peptide)

Dot Blot : 1 ug peptide was blot onto NC membrane.

A : NF1 (pS2741).

B : NF1 (Non-phospho).

C : Non-related phospho-specific phosphopeptide.

Followed were blotted at a 1 : 1000 dilution by :

1. NF1 (phospho S2741) polyclonal antibody (Cat # PAB12637).

2. NF1 polyclonal antibody (Cat # PAB12636).

Gene Info — NF1

Entrez GeneID	4763
Gene Name	NF1
Gene Alias	DKFZp686J1293, FLJ21220, NFNS, VRNF, WSS
Gene Description	neurofibromin 1

Omim ID [162200](#) [162210](#) [193520](#) [601321](#) [607785](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene product appears to function as a negative regulator of the ras signal transduction pathway. Mutations in this gene have been linked to neurofibromatosis type 1, juvenile myelomonocytic leukemia and Watson syndrome. The mRNA for this gene is subject to RNA editing (CGA>UGA-> Arg1306Term) resulting in premature translation termination. Alternatively spliced transcript variants encoding different isoforms have also been described for this gene. [provided by RefSeq]

Other Designations neurofibromin

Publication Reference

- [Phosphorylation of neurofibromin by cAMP-dependent protein kinase is regulated via a cellular association of N\(G\),N\(G\)-dimethylarginine dimethylaminohydrolase.](#)

Tokuo H, Yunoue S, Feng L, Kimoto M, Tsuji H, Ono T, Saya H, Araki N.

FEBS Letters 2001 Apr; 494(1-2):48.

Pathway

- [MAPK signaling pathway](#)

Disease

- [Adrenal Gland Neoplasms](#)
- [Autistic Disorder](#)
- [Cardiovascular Diseases](#)
- [Craniofacial Abnormalities](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Epilepsy](#)
- [Facies](#)
- [Genetic Predisposition to Disease](#)

- [Growth Disorders](#)
- [Learning Disorders](#)
- [Leukemia](#)
- [Multiple endocrine neoplasia](#)
- [Myelodysplastic Syndromes](#)
- [Nerve Sheath Neoplasms](#)
- [Neurofibromatosis](#)
- [Neurofibromatosis 1](#)
- [Noonan Syndrome](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Pheochromocytoma](#)
- [Spasms](#)
- [Syndrome](#)
- [Tobacco Use Disorder](#)
- [Tuberous sclerosis](#)