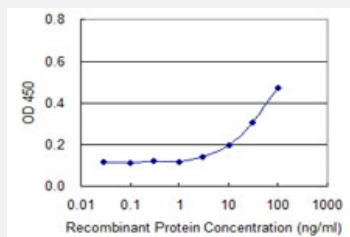


NF1 monoclonal antibody (M01), clone 2D1

Catalog # H00004763-M01

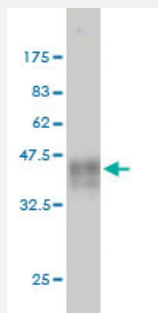
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged NF1 is approximately 3ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant NF1.
Immunogen	NF1 (NP_000258, 2719 a.a. ~ 2818 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	DTYLPGIDEETSEESLLTPTSPYPPALQSQLSITANLNLSNSMTSLATSQHSPGIDKENVELSPTTG HCNSGRTRHGSASQVQKQRSAGSFKRNSIKKIV
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (36.74 KDa) .

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged NF1 is approximately 3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — NF1

Entrez GeneID

[4763](#)

GeneBank Accession#

[NM_000267](#)

Protein Accession#

[NP_000258](#)

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

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](#)