

Neudesin / NENF Antibody (internal region, near the C-Term)
Peptide-affinity purified goat antibody
Catalog # AF2624a

Specification

Neudesin / NENF Antibody (internal region, near the C-Term) - Product Information

Application	E
Primary Accession	O9UMX5
Other Accession	NP_037481.1 , 29937 , 66208 (mouse) , 289380 (rat)
Predicted	Human, Mouse, Rat, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	18856

Neudesin / NENF Antibody (internal region, near the C-Term) - Additional Information

Gene ID 29937

Other Names

Neudesin, Cell immortalization-related protein 2, Neuron-derived neurotrophic factor, Secreted protein of unknown function, SPUF protein, NENF, CIR2, SPUF

Dilution

E~~N/A

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Neudesin / NENF Antibody (internal region, near the C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

Neudesin / NENF Antibody (internal region, near the C-Term) - Protein Information

Name NENF ([HGNC:30384](#))

Synonyms CIR2, SPUF

Function

Acts as a neurotrophic factor in postnatal mature neurons enhancing neuronal survival

(PubMed:31536960). Promotes cell proliferation and neurogenesis in undifferentiated neural progenitor cells at the embryonic stage and inhibits differentiation of astrocytes (By similarity). Its neurotrophic activity is exerted via MAPK1/ERK2, MAPK3/ERK1 and AKT1/AKT pathways (By similarity). Neurotrophic activity is enhanced by binding to heme (By similarity). Also acts as an anorexigenic neurotrophic factor that contributes to energy balance (By similarity).

Cellular Location

Secreted, extracellular space. Mitochondrion. Endoplasmic reticulum. Note=Localized to mitochondria and endoplasmic reticulum by PINK1 and PARK7

Tissue Location

Ubiquitously expressed with high expression in heart. Over-expressed in various tumors including carcinomas of the uterine cervix, lymphoma, colon, lung, skin and leukemia, as well as carcinoma of the breast.

Neudesin / NENF Antibody (internal region, near the C-Term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Neudesin / NENF Antibody (internal region, near the C-Term) - Images**Neudesin / NENF Antibody (internal region, near the C-Term) - References**

Neudesin, a secreted factor, promotes neural cell proliferation and neuronal differentiation in mouse neural precursor cells. Kimura I, Konishi M, Miyake A, Fujimoto M, Itoh N. J Neurosci Res. 2006 Jun;83(8):1415-24. PMID: 16547973