

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

**Specification**

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

Application	E
Primary Accession	<a href="#">O9UMX5</a>
Other Accession	<a href="#">NP_037481.1</a> , <a href="#">29937</a> , <a href="#">66208 (mouse)</a> , <a href="#">289380 (rat)</a>
Predicted Host	Human, Mouse, Rat, Dog, Cow
Clonality	Goat
Concentration	Polyclonal
Isotype	0.5 mg/ml
Calculated MW	IgG
	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

**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:<a href="http://www.uniprot.org/citations/31536960" target="\_blank">31536960</a>). 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). Acts also 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