

NENF Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54525**Specification****NENF Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	O9UMX5
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	18856

NENF Polyclonal Antibody - Additional Information**Gene ID** 29937**Other Names**

Neudesin, Cell immortalization-related protein 2, Neuron-derived neurotrophic factor, Protein GIG47, Secreted protein of unknown function, SPUF protein, NENF (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=30384), CIR2, SPUF

Dilution

dilution_WB: WB ~ 1:1000
dilution_IHC-P: IHC-P ~ N/A
dilution_IHC-F: IHC-F ~ N/A
dilution_IF: IF ~ 1:50 ~ 200
dilution_ICC: ICC ~ N/A
dilution_E: E ~ N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

NENF Polyclonal Antibody - Protein Information**Name** NENF ([HGNC:30384](#))**Synonyms** CIR2, SPUF**Function**

Acts as a neurotrophic factor in postnatal mature neurons enhancing neuronal survival (PubMed: [31536960](http://www.uniprot.org/citations/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.

NENF Polyclonal Antibody - 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](#)

NENF Polyclonal Antibody - Images