

NENF Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP54525

Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q9UMX5
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	18856

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 (HGNC:30384), CIR2, SPUF
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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.

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.