SunLong Biotech Co.,LTD
Tel: 0086-571- 56623320 Fax:0086-571- 56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Rabbit Anti-NENF antibody

SL11502R

Product Name:	NENF
Chinese Name:	神经源性神经营养因子抗体
Alias:	Neudesin; Cell growth inhibiting protein 47; Cell immortalization-related protein 2; CIR2; Nenf; NENF_HUMAN; Neuron derived neurotrophic factor; Neuron-derived neurotrophic factor; SCIRP10; SCIRP10 related protein; Secreted protein of unknown function; Spinal cord injury related protein 10; SPUF; SPUF protein.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	16kDa
Cellular localization:	Extracellular matrixSecretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Neudesin:51-140/172
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	Neudesin is a 172 amino acid secreted protein that belongs to the cytochrome b5 family and MAPR subfamily. Neudesin possesses neurotrophic activity, which is enhanced by binding to heme, and may contribute to neuronal differentiation and neural cell proliferation. In primary cultured neurons, Neudesin has been observed to activate Akt1

and ERK 1 phosphorylation. Upregulated in immortal cells, Neudesin contains one cytochrome b5 heme-binding domain and is encoded by a gene that maps to human chromosome 1q32.3. Human chromosome 1 spans 260 million base pairs and comprises nearly 8% of the human genome. A large number of disease-associated genes, including those that are involved in familial adenomatous polyposis, Stickler syndrome, Parkinson's disease, Gaucher disease, schizophrenia and Usher syndrome, map to chromosome 1.

Function:
Displays neurotrophic activity and activates phosphorylation of MAPK1/ERK2, MAPK3/ERK1 and AKT1/AKT in primary cultured neurons. Does not have mitogenic activity in primary cultured astrocytes. May play a role on neuronal differentiation and may have a transient effect on neural cell proliferation in neural precursor cells. Neurotrophic activity is enhanced by binding to heme.

Subcellular Location:
Secreted > extracellular space.

Similarity:
Belongs to the cytochrome b5 family. MAPR subfamily.
Contains 1 cytochrome b5 heme-binding domain.

SWISS:
Q9UMX5

Gene ID:
29937

Database links:

Entrez Gene: 29937 Human

Entrez Gene: 66208 Mouse

Entrez Gene: 289380 Rat

Omim: 611874 Human

SwissProt: Q9UMX5 Human

SwissProt: Q9CQ45 Mouse

SwissProt: Q6IUR5 Rat

Unigene: 461787 Human

Unigene: 46444 Mouse

	Unigene: 3355 Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.