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Datasheet for ABIN1386196  
**anti-Neudesin antibody (AA 51-140)**

### Overview

Quantity:	100 µL
Target:	Neudesin (NENF)
Binding Specificity:	AA 51-140
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Neudesin antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Neudesin
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Dog,Cow,Sheep,Pig,Horse,Chicken
Purification:	Purified by Protein A.

### Target Details

Target:	Neudesin (NENF)
Alternative Name:	NENF/Neudesin ( <a href="#">NENF Products</a> )

## Target Details

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**Background:** Synonyms: Cell growth inhibiting protein 47, Cell immortalization-related protein 2, CIR2, Nenf, NENF\_HUMAN, Neudesin, 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.

Background: 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.

## Application Details

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**Application Notes:** WB 1:300-5000  
ELISA 1:500-1000  
IHC-P 1:200-400  
IHC-F 1:100-500  
IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200  
ICC 1:100-500

**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

**Concentration:** 1 µg/µL

**Buffer:** 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

**Preservative:** ProClin

**Precaution of Use:** This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

## Handling

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Storage: 4 °C,-20 °C

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Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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Expiry Date: 12 months