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SPRED3 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10262a

Specification

SPRED3 Antibody (N-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	Q2MJR0
Other Accession	Q6P6N5, NP_001035987.1
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**42670**
Antigen Region	**31-59**

SPRED3 Antibody (N-term) - Additional Information

Gene ID 399473

Other Names
Sprouty-related, EVH1 domain-containing protein 3, Spred-3, SPRED3, EVE-3

Target/Specificity
This SPRED3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 31-59 amino acids from the N-terminal region of human SPRED3.

Dilution
WB~~1:1000
IHC-P~~1:50~100

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
SPRED3 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

SPRED3 Antibody (N-term) - Protein Information

Name SPRED3

Synonyms EVE-3

Function Tyrosine kinase substrate that inhibits growth-factor- mediated activation of MAP kinase (By similarity). Inhibits fibroblast growth factor (FGF)-induced retinal lens fiber differentiation, probably by inhibiting FGF-mediated phosphorylation of ERK1/2 (By similarity). Inhibits TGFB-induced epithelial-to-mesenchymal transition in lens epithelial cells (By similarity).

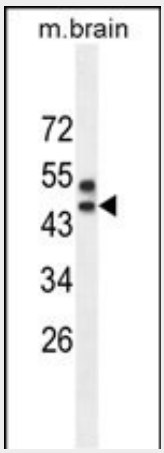
Cellular Location
Cell membrane {ECO:0000250|UniProtKB:Q6P6N5}; Peripheral membrane protein {ECO:0000250|UniProtKB:Q6P6N5}

SPRED3 Antibody (N-term) - Protocols

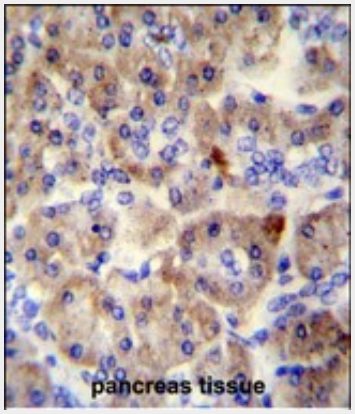
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SPRED3 Antibody (N-term) - Images



SPRED3 Antibody (N-term) (Cat. #AP10262a) western blot analysis in mouse brain tissue lysates (35ug/lane).This demonstrates the SPRED3 antibody detected the SPRED3 protein (arrow).



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SPRED3 antibody (N-term) (Cat. #AP10262a) immunohistochemistry analysis in formalin fixed and paraffin embedded human pancreas tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of the SPRED3 antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

SPRED3 Antibody (N-term) - Background

SPRED3 is a member of the Sprouty (see SPRY1; MIM 602465)/SPRED family of proteins that regulate growth factor-induced activation of the MAP kinase cascade (see MAPK1; MIM 176948) (Nonami et al., 2004 [PubMed 15465815]).

SPRED3 Antibody (N-term) - References

King, J.A., et al. J. Hepatol. 44(4):758-767(2006)
Nonami, A., et al. J. Biol. Chem. 279(50):52543-52551(2004)
Mizoguchi, M., et al. Neurogenetics 5(1):81-82(2004)
Kato, R., et al. Biochem. Biophys. Res. Commun. 302(4):767-772(2003)