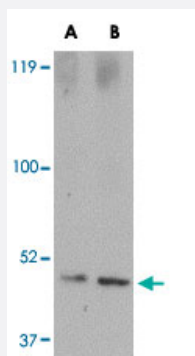


SPRED1 polyclonal antibody

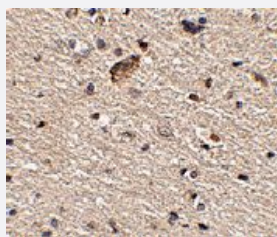
Catalog # PAB16582 Size 100 ug

Applications



Western Blot (Tissue lysate)

Western blot analysis of SPRED1 in human brain tissue lysate with SPRED1 polyclonal antibody (Cat # PAB16582) at (A) 1 and (B) 2 ug/mL .



Immunohistochemistry

Immunohistochemistry of SPRED1 in human brain tissue with SPRED1 polyclonal antibody (Cat # PAB16582) at 2.5 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of SPRED1.
Immunogen	A synthetic peptide corresponding to internal region 14 amino acids of human SPRED1.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Recommend Usage	Western Blot (1-2 ug/mL) The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

Western blot analysis of SPRED1 in human brain tissue lysate with SPRED1 polyclonal antibody (Cat # PAB16582) at (A) 1 and (B) 2 ug/mL .

- Immunohistochemistry

Immunohistochemistry of SPRED1 in human brain tissue with SPRED1 polyclonal antibody (Cat # PAB16582) at 2.5 ug/mL .

- Enzyme-linked Immunoabsorbent Assay

Gene Info — SPRED1

Entrez GeneID	161742
Protein Accession#	NP_689807
Gene Name	SPRED1
Gene Alias	FLJ33903, NFLS
Gene Description	sprouty-related, EVH1 domain containing 1
Omim ID	609291 611431
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the Sprouty family of proteins and is phosphorylated by tyrosine kinase in response to several growth factors. The encoded protein can act as a homodimer or as a heterodimer with SPRED2 to regulate activation of the MAP kinase cascade. Defects in this gene are a cause of neurofibromatosis type 1-like syndrome (NFLS). [provided by RefSeq]
Other Designations	EVH1/Sprouty domain containing protein sprouty-related protein 1 with EVH-1 domain suppressor of Ras/MAPK activation

Publication Reference

- [Live simian immunodeficiency virus vaccine correlate of protection: immune complex-inhibitory fc receptor interactions that reduce target cell availability.](#)

Smith AJ, Wietgreffe SW, Shang L, Reilly CS, Southern PJ, Perkey KE, Duan L, Kohler H, Muller S, Robinson J, Carlis JV, Li Q, Johnson RP, Haase AT.

The Journal of Immunology 2014 Sep; 193(6):3126.

Application: IHC-P, Monkey, Endocervical

- [Spreds, inhibitors of the Ras/ERK signal transduction, are dysregulated in human hepatocellular carcinoma and linked to the malignant phenotype of tumors.](#)

Yoshida T, Hisamoto T, Akiba J, Koga H, Nakamura K, Tokunaga Y, Hanada S, Kumemura H, Maeyama M, Harada M, Ogata H, Yano H, Kojiro M, Ueno T, Yoshimura A, Sata M.

Oncogene 2006 May; 25(45):6056.

- [Spred is a Sprouty-related suppressor of Ras signalling.](#)

Wakioka T, Sasaki A, Kato R, Shouda T, Matsumoto A, Miyoshi K, Tsuneoka M, Komiya S, Baron R, Yoshimura A.

Nature 2001 Aug; 412(6847):647.

Application: IF, WB-Ce, Mouse, C2C12 cells

- [Inhibition of angiogenesis by a mouse sprouty protein.](#)

Lee SH, Schloss DJ, Jarvis L, Krasnow MA, Swain JL.

The Journal of Biological Chemistry 2001 Feb; 276(6):4128.

Pathway

- [Jak-STAT signaling pathway](#)

Disease

- [Cafe-au-Lait Spots](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)

- [Neurofibromatosis](#)
- [Neurofibromatosis 1](#)
- [Syndrome](#)