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SPRN Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP4754b

Product Information

Application	IHC-P, WB, E
Primary Accession	Q5BIV9
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB25483
Calculated MW	14522
Antigen Region	76-105

Additional Information

Gene ID	503542
Other Names	Shadow of prion protein, Protein shadoo, SPRN, SHO
Target/Specificity	This SPRN antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 76-105 amino acids from the C-terminal region of human SPRN.
Dilution	IHC-P~~1:100~500 WB~~1:1000 E~~Use at an assay dependent concentration.
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	SPRN Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SPRN
Synonyms	SHO
Function	Prion-like protein that has PrP(C)-like neuroprotective activity. May act as a modulator for the biological actions of normal and abnormal PrP (By similarity).

Cellular Location	Cell membrane; Lipid-anchor, GPI- anchor
Tissue Location	Mainly expressed in brain. In brain, it is expressed in hippocampus.

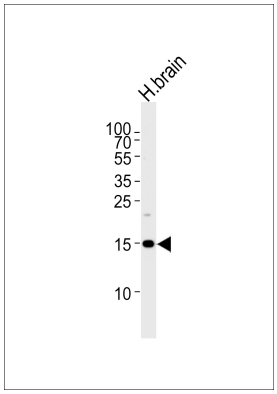
Background

SPRN has PrP(C)-like neuroprotective activity. SPRN may act as a modulator for the biological actions of normal and abnormal PrP.

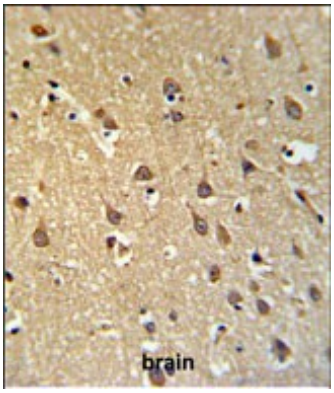
References

Beck, J.A., et al. J. Med. Genet. 45(12):813-817(2008)
Van den Brulle, J., et al. BioTechniques 45(3):340-343(2008)
Premzl, M., et al. Mol. Biol. Evol. 21(12):2210-2231(2004)

Images



Western blot analysis of lysate from human brain tissue lysate, using SPRN Antibody (C-term)(Cat. #AP4754b). AP4754b was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug per lane.



SPRN Antibody (C-term) (Cat. #AP4754b) IHC analysis in formalin fixed and paraffin embedded brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the SPRN Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

Citations

- The Prion-like protein Shadoo is involved in mouse embryonic and mammary development and differentiation
- Expression of the prion protein family member Shadoo causes drug hypersensitivity that is diminished by the coexpression of the wild type prion protein.
- The prion protein family member Shadoo induces spontaneous ionic currents in cultured cells.

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