

SPRYD4 Antibody

Catalog # ASC11349

Product Information

Application	WB, IF, E, IHC-P
Primary Accession	Q8WW59
Other Accession	NP_997227 , 46409324
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	23098
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	SPRYD4 antibody can be used for detection of SPRYD4 by Western blot at 1 μ g/mL. Antibody can also be used for immunohistochemistry starting at 2.5 μ g/mL. For immunofluorescence start at 20 μ g/mL.

Additional Information

Gene ID	283377
Other Names	SPRY domain-containing protein 4, SPRYD4
Target/Specificity	SPRYD4; SPRYD4 antibody is predicted to not cross-react with other SPRYD protein family members. At least two isoforms of SPRYD4 are known to exist; this antibody will detect both isoforms.
Reconstitution & Storage	SPRYD4 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Precautions	SPRYD4 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SPRYD4
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Background

SPRYD4 Antibody: The SPRY domain-containing protein 4 (SPRYD4) is a member of a family of proteins whose sole common characteristic is the presence of a SPRY domain. SPRY domains are structural domains that were first described in the fungal *Dictyostelium discoideum* tyrosine kinase spore lysis A. In most systems SPRY domains provide binding sites for regulatory proteins or intramolecular binding sites that

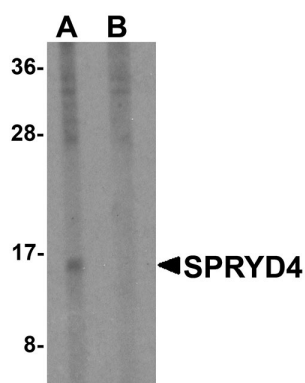
maintain the structural integrity of a protein. SPRYD4 is ubiquitously expressed and is most abundant in kidney, brain, bladder, thymus and stomach. Little is known of the function of the SPRYD4 protein.

References

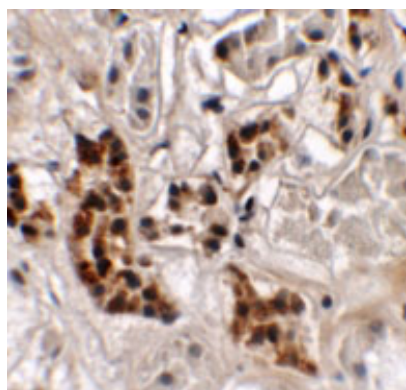
Tae H, Casarotto MG, and Dulhunty AF. Ubiquitous SPRY domains and their role in the skeletal type ryanodine receptor. *Eur. Biophys. J.* 2009; 39:51-9.

Zhong Z, Zhang H, Bai M, et al. Cloning and characterization of a novel human SPRYD4 gene encoding a putative SPRY domain-containing protein. *DNA Seq.* 2008; 19:68-72.

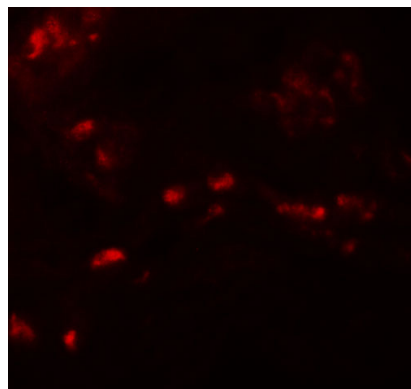
Images



Western blot analysis of SPRYD4 in mouse kidney tissue lysate with SPRYD4 antibody at 1 $\mu\text{g/mL}$ in (A) the absence and (B) the presence of blocking peptide



Immunohistochemistry of SPRYD4 in human kidney tissue with SPRYD4 antibody at 2.5 $\mu\text{g/mL}$.



Immunofluorescence of SPRYD4 in human kidney tissue with SPRYD4 antibody at 20 $\mu\text{g/mL}$.