SPRYD2 Antibody

Catalog No: #25328

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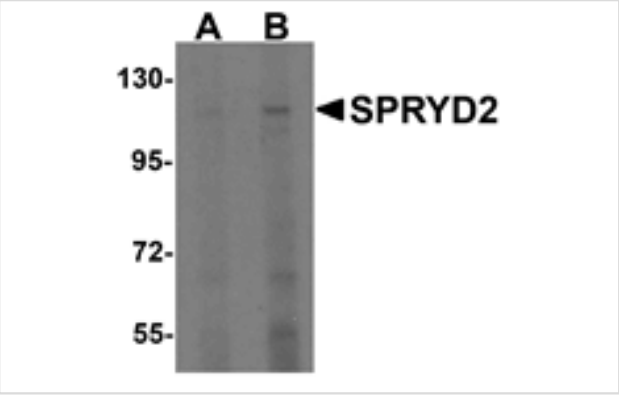
Description

Product Name	SPRYD2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB
Species Reactivity	Hu Ms Rt
Specificity	SPRYD2 antibody is predicted to not cross-react with other SPRYD protein family members. At least four isoforms of SPRYD2 are known to exist.
Immunogen Type	Peptide
Immunogen Description	Raised against an 18 amino acid peptide near the carboxy terminus of human SPRYD2.
Target Name	SPRYD2
Other Names	SPRY domain-containing protein 2, cardiomyopathy-associated protein 5, CMYA5, dystrobrevin-binding protein 2, DTNBP2, TRIM76
Accession No.	Swiss-Prot:Q8N3K9Gene ID:202333
Uniprot	Q8N3K9
GeneID	202333;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for 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.

Images



Western blot analysis of SPRYD2 in rat brain tissue lysate with SPRYD2 antibody at (A) 1 and (B) 2 ug/mL

Background

SPRYD2, also known as Myospryn, was originally identified as the muscle-specific partner of dysbindin and as a Mef-2 target gene. It is a large scaffolding protein localized to the Z-disc/costamere region of striated muscle. SPRYD2 includes a noncanonical tripartite motif (TRIM-like) that lacks the RING domain but consists of a B-box coiled coil (BBC), fibronectin 3 (FN3) repeats, and SPRY domains. SPRYD2 interacts with desmin and calcineurin, and it has been suggested to play a role in the biogenesis of lysosome and negatively regulates slow-fiber-type transformation and

skeletal muscle regeneration. SPRYD2 is dysregulated in Duchenne muscular dystrophy.

Note: This product is for in vitro research use only