

Anti-SPRYD2 CMYA5 Antibody

Catalog Number: A08262

About CMYA5

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.

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Overview

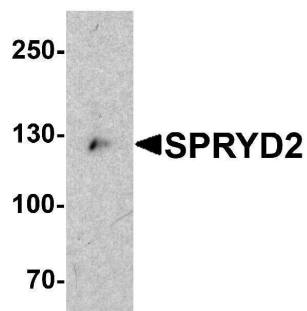
Product Name	Anti-SPRYD2 CMYA5 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-SPRYD2 CMYA5 Antibody (Catalog # A08262). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	SPRYD2 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	SPRYD2 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q8N3K9

Technical Details

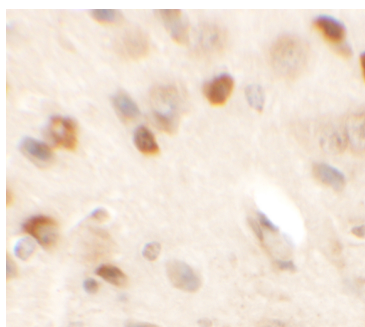
Immunogen	SPRYD2 antibody was raised against an 18 amino acid synthetic peptide near the carboxy terminus of human SPRYD2. The immunogen is located within amino acids 3810 - 3860 of SPRYD2.
Predicted Reactive Species	Bovine
Cross Reactivity	SPRYD2 antibody is predicted to not cross-react with other SPRYD protein family members. At

	least four isoforms of SPRYD2 are known to exist.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	SPRYD2 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	SPRYD2 antibody can be used for detection of SPRYD2 by Western blot at 1 - 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 2.5 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in mouse samples; Immunohistochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

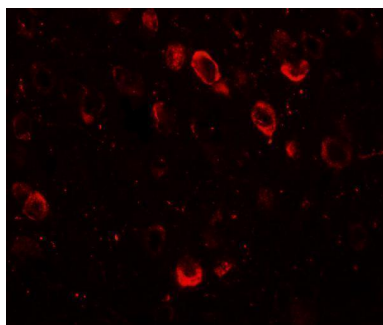
Anti-SPRYD2 CMYA5 Antibody (A08262) Images



Western blot analysis of SPRYD2 in mouse heart tissue lysate with SPRYD2 antibody at 1 ug/mL.



Immunohistochemistry of SPRYD2 in mouse brain tissue with SPRYD2 antibody at 2.5 ug/mL.



Immunofluorescence of SPRYD2 in mouse brain tissue with SPRYD2 antibody at 20 ug/mL.

Anti-SPRYD2 CMYA5 Antibody

For Research Use Only. Not for use in diagnostic procedures.