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Datasheet for ABIN6991554
anti-CMYA5 antibody (C-Term)

Overview

Quantity:	0.1 mg
Target:	CMYA5
Binding Specificity:	AA 3810-3860, C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CMYA5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product 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.
Isotype:	IgG
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.
Purification:	SPRYD2 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	CMYA5
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Target Details

Alternative Name: [SPRYD2 \(CMYA5 Products\)](#)

Background: SPRYD2 Antibody: 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.

Gene ID: 202333

NCBI Accession: [NP_705838](#)

UniProt: [Q8N3K9](#)

Application Details

Application Notes: SPRYD2 antibody can be used for detection of SPRYD2 by Western blot at 1 - 2 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.

Antibody validated: Western Blot in mouse samples, Immunohistochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: SPRYD2 Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, 4 °C

Storage Comment: SPRYD2 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As

Handling

with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.