

Datasheet for ABIN783522  
**anti-CMYA5 antibody (C-Term)**



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1 Image

## Overview

Quantity:	0.1 mg
Target:	CMYA5
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CMYA5 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

## Product Details

Immunogen:	18 amino acid peptide near the carboxy terminus of human SPRYD2
Specificity:	This antibody detects Myospryn at C-term. SPRYD2 antibody is predicted to not cross-react with other SPRYD protein family members. At least four isoforms of SPRYD2 are known to exist.
Cross-Reactivity (Details):	Species reactivity (tested):Human, mouse, rat.
Purification:	Affinity chromatography purified via peptide column

## Target Details

Target:	CMYA5
Alternative Name:	Myospryn ( <a href="#">CMYA5 Products</a> )

## Target Details

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**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. Synonyms: C5orf10, CMYA5, Cardiomyopathy-associated protein 5, DTNBP2, Dystrobrevin-binding protein 2, Genethonin-3, SPRY domain-containing protein 2, SPRYD2, TRIM76, Tripartite motif-containing protein 76

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**Gene ID:** 202333

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**NCBI Accession:** [NP\\_705838](#)

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**UniProt:** [Q8N3K9](#)

## Application Details

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**Application Notes:** Optimal working dilution should be determined by the investigator.

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**Restrictions:** For Research Use only

## Handling

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**Buffer:** PBS containing 0.02 % sodium azide

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**Preservative:** Sodium azide

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

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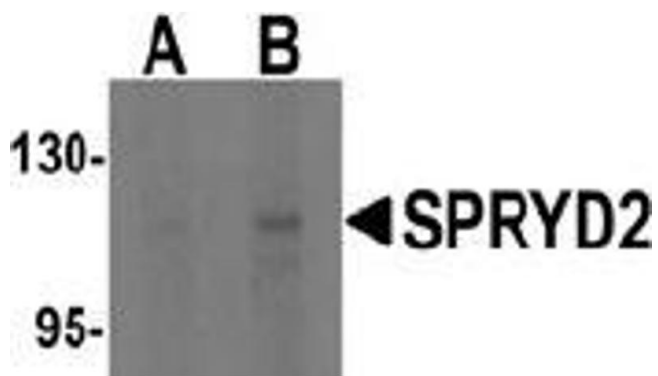
**Handling Advice:** Avoid repeated freezing and thawing.

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**Storage:** 4 °C/-20 °C

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**Storage Comment:** Store at 2 - 8 °C for up to three months or (in aliquots) at -20 °C for longer.



#### Western Blotting

**Image 1.** Western blot analysis of SPRYD2 in rat brain tissue lysate with SPRYD2 antibody at (A) 1 and (B) 2  $\mu$ g/ml