

Datasheet for ABIN6242642  
**anti-SMARCD3 antibody (AA 158-193)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	400 µL
Target:	SMARCD3
Binding Specificity:	AA 158-193
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SMARCD3 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	This Mouse Smarcd3 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 158-193 amino acids from the Central region of Mouse Smarcd3.
Clone:	RB51970
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	SMARCD3
Alternative Name:	Smarcd3 ( <a href="#">SMARCD3 Products</a> )
Background:	Plays a role in ATP dependent nucleosome remodeling by SMARCA4 containing complexes.

## Target Details

Stimulates nuclear receptor mediated transcription (By similarity). Belongs to the neural progenitors- specific chromatin remodeling complex (npBAF complex) and the neuron-specific chromatin remodeling complex (nBAF complex). During neural development a switch from a stem/progenitor to a post-mitotic chromatin remodeling mechanism occurs as neurons exit the cell cycle and become committed to their adult state. The transition from proliferating neural stem/progenitor cells to post-mitotic neurons requires a switch in subunit composition of the npBAF and nBAF complexes. As neural progenitors exit mitosis and differentiate into neurons, npBAF complexes which contain ACTL6A/BAF53A and PHF10/BAF45A, are exchanged for homologous alternative ACTL6B/BAF53B and DPF1/BAF45B or DPF3/BAF45C subunits in neuron-specific complexes (nBAF). The npBAF complex is essential for the self-renewal/proliferative capacity of the multipotent neural stem cells. The nBAF complex along with CREST plays a role regulating the activity of genes essential for dendrite growth.

Molecular Weight: 54986

UniProt: [Q6P9Z1](#)

Pathways: [Regulation of Lipid Metabolism by PPARalpha](#)

## Application Details

Application Notes: WB: 1:1000. WB: 1:4000

Restrictions: For Research Use only

## Handling

Format: Liquid

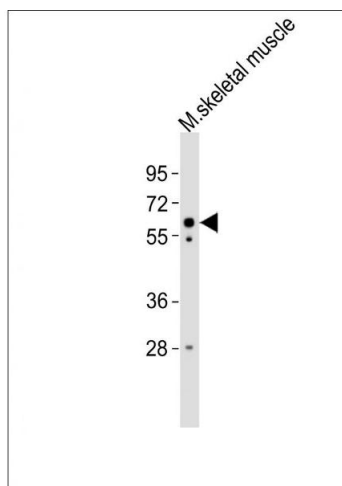
Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

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

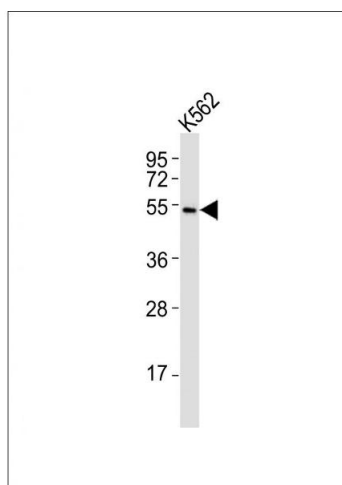
Storage: 4 °C,-20 °C

Expiry Date: 6 months



#### Western Blotting

**Image 1.** Anti-Smarcd3 Antibody (Center) at 1:4000 dilution + mouse skeletal muscle lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 55 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.



#### Western Blotting

**Image 2.** Anti-(Mouse) Smarcd3 Antibody (Center) at 1:1000 dilution + K562 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 55 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.