

Datasheet for ABIN7307004

anti-SMYD1 antibody**3** Images[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	SMYD1
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SMYD1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunochromatography (IC)

Product Details

Immunogen:	Recombinant full length protein of human SMYD1
Specificity:	Recognizes endogenous levels of SMYD1 protein.
Characteristics:	Rabbit polyclonal antibody to SMYD1
Purification:	The antibody was purified by immunogen affinity chromatography.

Target Details

Target:	SMYD1
Alternative Name:	SMYD1 (SMYD1 Products)
Background:	Histone-lysine N-methyltransferase SMYD1, SET and MYND domain-containing protein 1
Gene ID:	150572, 12180

Target Details

UniProt:	Q8NB12 , P97443
Pathways:	Regulation of Muscle Cell Differentiation , Skeletal Muscle Fiber Development

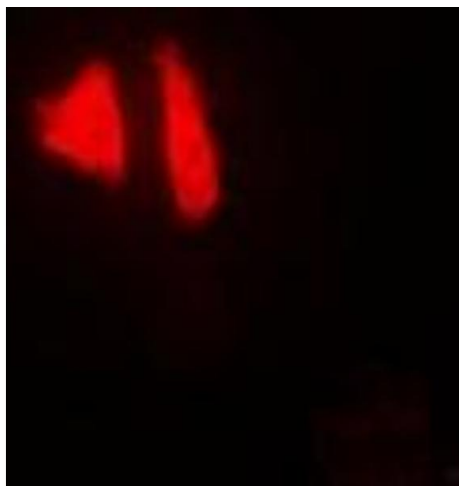
Application Details

Application Notes:	WB (1:500 - 1:2000), IH (1:50 - 1:200), IF/IC (1:50 - 1:100)
Restrictions:	For Research Use only

Handling

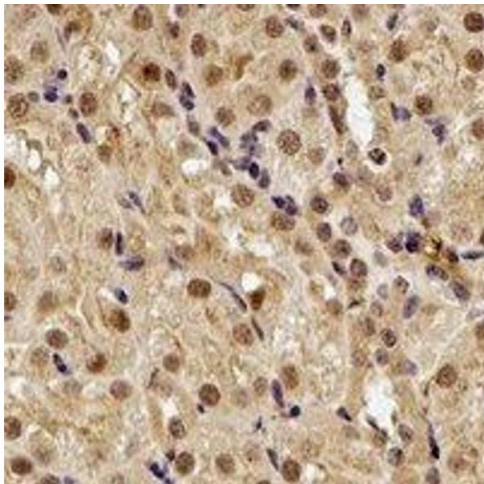
Format:	Liquid
Buffer:	Liquid in 0.42 % Potassium phosphate, 0.87 % Sodium chloride, pH 7.3, 30 % glycerol, and 0.01 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.
Expiry Date:	12 months

Images



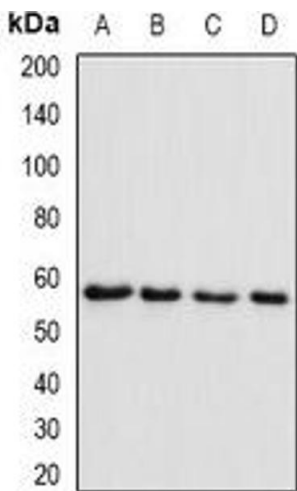
Immunofluorescence

Image 1. Immunofluorescent analysis of SMYD1 staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody



Immunohistochemistry

Image 2. Immunohistochemical analysis of SMYD1 staining in rat kidney formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the an



Western Blotting

Image 3. Western blot analysis of SMYD1 expression in Raji (A), MCF7 (B), mouse skeletal muscle (C), rat heart (D) whole cell lysates.