

Datasheet for ABIN681043

**anti-HDAC5 antibody****3** Images[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	HDAC5
Reactivity:	Human, Mouse, Rat, Cow, Dog, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HDAC5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human HDAC5
Isotype:	IgG
Cross-Reactivity:	Cow, Human, Mouse, Rat
Purification:	Purified by Protein A.

## Target Details

Target:	HDAC5
Alternative Name:	HDAC5 ( <a href="#">HDAC5 Products</a> )
Background:	Synonyms: HDAC4: Histone deacetylase 4, HD4 HDAC 5, Histone deacetylase 5, HD5, Antigen NY-CO-9 Background: Histones play a critical role in transcriptional regulation, cell cycle progression, and

## Target Details

developmental events. Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. The protein encoded by this gene belongs to the class II histone deacetylase/acuc/apha family. It possesses histone deacetylase activity and represses transcription when tethered to a promoter. It coimmunoprecipitates only with HDAC3 family member and might form multicomplex proteins. It also interacts with myocyte enhancer factor-2 (MEF2) proteins, resulting in repression of MEF2-dependent genes. This gene is thought to be associated with colon cancer. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]..

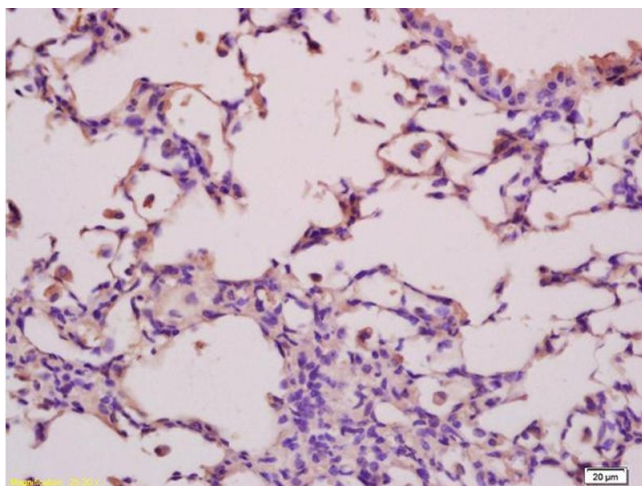
Molecular Weight:	122kDa
Gene ID:	9759, 10014
UniProt:	<a href="#">P56524</a> , <a href="#">Q9UQL6</a>
Pathways:	<a href="#">Regulation of Muscle Cell Differentiation</a> , <a href="#">Skeletal Muscle Fiber Development</a> , <a href="#">Monocarboxylic Acid Catabolic Process</a>

## Application Details

Application Notes:	WB(1:100-500) Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

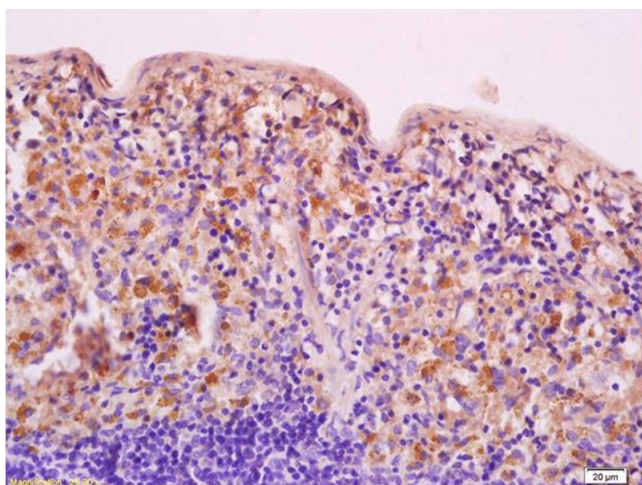
## Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 1 % BSA, 50 % glycerol and 0.09 % 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:	Store at -20°C for 12 months.
Expiry Date:	12 months



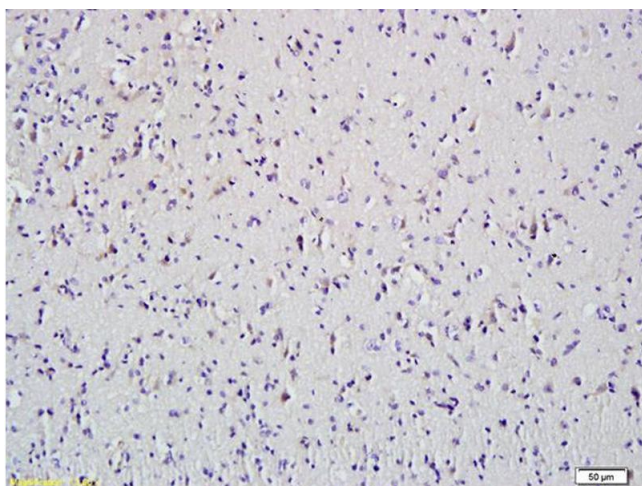
#### Immunohistochemistry

**Image 1.** Formalin-fixed and paraffin embedded rat lung labeled with Anti-HDAC5 Polyclonal Antibody, Unconjugated (ABIN681043) at 1:200 followed by conjugation to the secondary antibody and DAB staining



#### Immunohistochemistry

**Image 2.** Formalin-fixed and paraffin embedded human brain labeled with Anti-HDAC5 Polyclonal Antibody, Unconjugated (ABIN681043) at 1:200 followed by conjugation to the secondary antibody and DAB staining



#### Immunohistochemistry

**Image 3.** Formalin-fixed and paraffin embedded mouse spleen tissue labeled with Anti-HDAC5 Polyclonal Antibody, Unconjugated (ABIN681043) at 1:200 followed by conjugation to the secondary antibody and DAB staining