

Datasheet for ABIN6657882  
**anti-ASCL2 antibody (C-Term)**[Go to Product page](#)

## 3 Images

## Overview

Quantity:	100 µL
Target:	ASCL2
Binding Specificity:	C-Term
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ASCL2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Fluorescence Microscopy (FM)

## Product Details

Immunogen:	Immunogen: Anti-Ash2 Antibody was produced in rabbits by repeated immunizations with three different synthetic peptides of mouse Ash2: two containing an amino acid sequence from the internal and one containing an amino acid sequence from the C-terminal part of the protein. Immunogen Type: Peptide
Cross-Reactivity (Details):	Cross reactivity with Ash2 from other species not tested.
Purification:	Anti-Ash2 Antibody is monospecific antiserum processed by delipidation and defibrination followed by sterile filtration.

## Target Details

Target:	ASCL2
Alternative Name:	Ash2 ( <a href="#">ASCL2 Products</a> )

## Target Details

Background:	<p>Synonyms: Set1/Ash2 histone methyltransferase complex subunit ASH2, ASH2-like protein, ASH2L1, ASH2L2, Bre2</p> <p>Background: Ash2 is a component of the Set1/Ash2 histone methyltransferase (HMT) complex. This complex specifically methylates K4 of histone H3, thereby activating transcription. Methylation of K4 is blocked by premethylation of the neighboring K9, a repressor of transcription. This indicates that the Set1/Ash2 HMT complex mediates the crosstalk between K9 methylation and K4 methylation. Ash2 plays a role in hematopoiesis and may be associated with some kinds of leukemia. Anti-Ash2 Antibody is ideal for research in Gene Expression, Epigenetics, Cell Signaling and Cancer.</p> <p>Gene Name: ASH2L</p>
Gene ID:	9070
NCBI Accession:	<a href="#">NP_001098684</a>
UniProt:	<a href="#">Q9UBL3</a>
Pathways:	<a href="#">Stem Cell Maintenance</a>

## Application Details

Application Notes:	<p>Application Note: Anti-Ash2 Antibody is suitable for ELISA, Immunofluorescence and Western Blots. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 68 kDa in the appropriate cell lysate or extract.</p> <p>ELISA Dilution: 1:100 - 1:500</p> <p>Western Blot Dilution: 1:1,000</p> <p>IF Microscopy Dilution: 1:200</p>
Restrictions:	For Research Use only

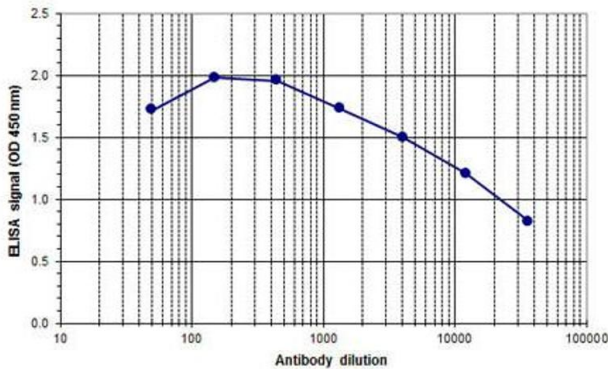
## Handling

Format:	Liquid
Buffer:	0.01 % (w/v) Sodium Azide
	Stabilizer: None
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:	RT, 4 °C, -20 °C

## Handling

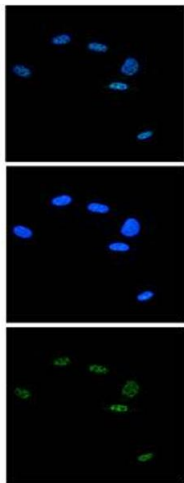
Storage Comment: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

## Images



### ELISA

**Image 1.** ELISA of anti-Ash2 antibody ELISA results of Rabbit anti-Ash2 antibody. Antigen: BSA conjugated Ash2. Coating amount: 0.1 µg per well. Dilution series: serial dilution. Estimated Antibody Titer to be 1:24,000. Substrate: TMB .



### Immunofluorescence

**Image 2.** Immunofluorescence Microscopy of anti-Ash2 antibody Immunofluorescence Microscopy results of Rabbit anti-Ash2 antibody. Tissue: NIH3T3 cells. Fixation: 4% formaldehyde for 10' and blocked with PBS/TX-100 containing 5% normal goat serum and 1% BSA. Antigen retrieval: not required. Primary antibody: Ash2 antibody at 1:200 for 1 h at RT. Secondary antibody: Alexa488 rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: Ash2 is nuclear and occasionally cytoplasmic. Staining: Ash2 as green fluorescent signal with DAPI (blue) nuclear counterstain.

Western Blotting

**Image 3.** Western Blot of anti-Ash2 antibody Western Blot results of Rabbit anti-Ash2 antibody. (Image A.) Lane 1: (3T3) NIH3T3 lysates. Lane 2: (E14) embryonic stem cell E14Tg2a lysates. Lane 3 (M): Ladder. Primary antibody (A): Ash2 antibody at 1:1000 for overnight at 4°C. (Image B.) Lane 1 (M): Ladder. Lane 2: (NS) mouse neural stem cell lysates transfected with GFP tagged Ash2. Primary antibody (B): Ash2 antibody at 1:500 for overnight at 4°C. Secondary antibody: goat anti-rabbit HRP secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO/TBS-Tween overnight at 4°C. Predicted: 68kDa endogenous, 106kDa GFP tagged Ash2.

