

## Datasheet for ABIN6972764 **anti-SMYD3 antibody**

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### 1 Image

#### Overview

Quantity:	100 µL
Target:	SMYD3
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

#### Product Details

Immunogen:	This antibody was raised against a peptide within human Smyd3.
Isotype:	IgG
Characteristics:	<p>Smyd3 (SET and MYND domain containing 3) is a histone methyltransferase. Specifically methylates 'Lys-4' of histone H3, inducing di- and tri-methylation, but not monomethylation. Plays an important role in transcriptional activation as a member of an RNA polymerase complex. Binds DNA containing 5'-CCCTCC-3' or 5'-GAGGGG-3' sequences. Recently, Smyd3 was described as the methyltransferase responsible for a novel site of histone modification, H4K5 methylation. Smyd3 antibody (pAb) was raised in a Rabbit host. It has been validated for use in Immunohistochemistry and Western blot, it has been shown to react with Human samples.</p>
Purification:	Affinity Purified

#### Target Details

Target:	SMYD3
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Target Details

Alternative Name:	Smyd3 ( <a href="#">SMYD3 Products</a> )
Molecular Weight:	50 kDa
NCBI Accession:	<a href="#">NP_001161212</a>

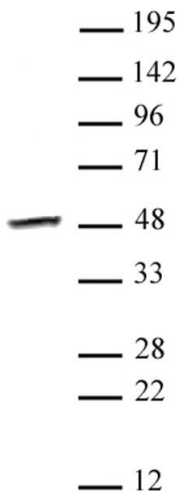
Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Buffer:	Purified IgG in PBS with 30 % glycerol and 0.035 % 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:	Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20°C for up to 2 years. Keep all reagents on ice when not in storage.

Images



Western Blotting

**Image 1.** Smyd3 antibody (pAb) tested by Western blot. K-562 nuclear extract (30 µg) probed with Smyd3 antibody at a dilution of 1:500.