

Datasheet for ABIN2780718  
**anti-SAP18 antibody (N-Term)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	100 µL
Target:	SAP18
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Rabbit, Cow, Guinea Pig, Horse, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SAP18 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human SAP18
Sequence:	EIKKEPEKPI DREKTCPLLL RVFTTNNGRH HRMDEFSGN VPSSSELQIYT
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 93%
Characteristics:	This is a rabbit polyclonal antibody against SAP18. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

## Target Details

Target:	SAP18
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## Target Details

Alternative Name: SAP18 ([SAP18 Products](#))

Background: Histone acetylation plays a key role in the regulation of eukaryotic gene expression. Histone acetylation and deacetylation are catalyzed by multisubunit complexes. SAP18 is a component of the histone deacetylase complex, which includes SIN3, SAP30, HDAC1, HDAC2, RbAp46, RbAp48, and other polypeptides. This protein directly interacts with SIN3 and enhances SIN3-mediated transcriptional repression when tethered to the promoter. Histone acetylation plays a key role in the regulation of eukaryotic gene expression. Histone acetylation and deacetylation are catalyzed by multisubunit complexes. The protein encoded by this gene is a component of the histone deacetylase complex, which includes SIN3, SAP30, HDAC1, HDAC2, RbAp46, RbAp48, and other polypeptides. This protein directly interacts with SIN3 and enhances SIN3-mediated transcriptional repression when tethered to the promoter.

Alias Symbols: SAP18P, 2HOR0202

Protein Interaction Partner: INCA1, RBM39, UBC, RNF2, SUZ12, BMI1, CSNK2A2, MAGOH, EIF4A3, VCP, NFIA, SEPT2, MYO1C, IK, HNRNPU, HNRNPC, GTF3C1, SEPT7, CDC5L, U2AF1, SNRPD2, SMARCC2, SMARCB1, SRSF7, SRSF5, SRSF3, SRSF1, SAFB, S100A9, PSAP, NHP2L1, TPR, TFPI, SURF4, SSRP1, SSR3, LOC255

Protein Size: 153

Molecular Weight: 18 kDa

Gene ID: 10284

NCBI Accession: [NM\\_005870](#), [NP\\_005861](#)

UniProt: [O00422](#)

## Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 153 AA

Restrictions: For Research Use only

## Handling

Format: Liquid

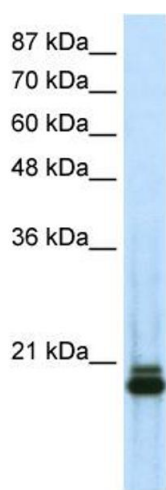
Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

## Handling

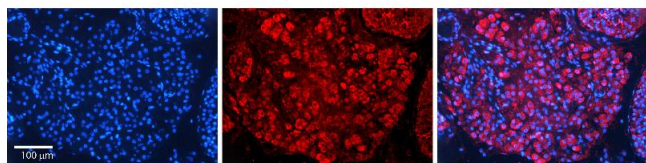
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Images



### Western Blotting

**Image 1.** WB Suggested Anti-SAAntibody Titration: 0.125ug/ml ELISA Titer: 1:312500 Positive Control: Transfected 293T



### Immunohistochemistry

**Image 2.** Rabbit Anti-SAAntibody Formalin Fixed Paraffin Embedded Tissue: Human Testis Tissue Observed Staining: Cytoplasm in spermatogonia and spermatocytes Primary Antibody Concentration: N/A Other Working Concentrations: 1:600 Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 - 2.0 sec