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Datasheet for ABIN6136794  
**anti-ALKBH1 antibody (AA 110-389)**

2 Images

Overview

Quantity:	100 µL
Target:	ALKBH1
Binding Specificity:	AA 110-389
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ALKBH1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 110-389 of human ALKBH1 (NP_006011.2).
Sequence:	YQWHWVKQCL KLYSQKPNVC NLDKHMSKEE TQDLWEQSKE FLRYKEATKR RPRSLEKLR WVTVGYHYNW DSKKYSADHY TPFPSDLGFL SEQVAAACGF EDFRAEAGIL NYYRLDSTLG IHVDRSELDH SKPLLSFSFG QSAIFLLGGL QRDEAPTAMF MHSGDIMIMS GFSRLLNHAV PRVLPNPEGE GLPHCLEAPL PAVLPRDSMV EPCSMEDWQV CASYLKTARV NMTVRQVLAT DQNFPLEPIE DEKRDISTEG FCHLDDQNSE VKRARINPDS
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

## Target Details

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Target:	ALKBH1
Alternative Name:	ALKBH1 ( <a href="#">ALKBH1 Products</a> )
Background:	This gene encodes a homolog to the E. coli alkB gene product. The E. coli alkB protein is part of the adaptive response mechanism of DNA alkylation damage repair. It is involved in damage reversal by oxidative demethylation of 1-methyladenine and 3-methylcytosine.,ALKBH1,ABH,ABH1,ALKBH,alkB,hABH,Epigenetics & Nuclear Signaling,DNA Damage & Repair,ALKBH1
Molecular Weight:	43 kDa
Gene ID:	8846
UniProt:	<a href="#">Q13686</a>
Pathways:	<a href="#">DNA Damage Repair</a>

## Application Details

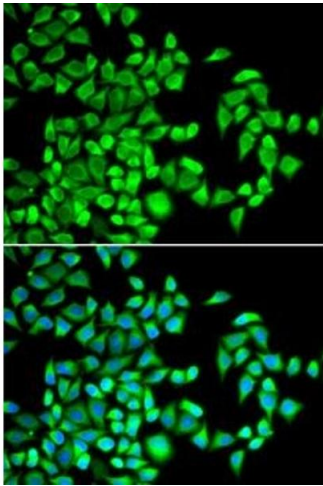
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Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200,IP,1:20 - 1:50
Restrictions:	For Research Use only

## Handling

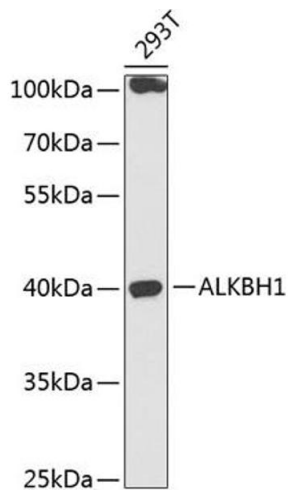
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Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



### Immunofluorescence

**Image 1.** Immunofluorescence analysis of U2OS cells using antibody (ABIN6131447, ABIN6136794, ABIN6136796 and ABIN6218313). Blue: DAPI for nuclear staining.



### Western Blotting

**Image 2.** Western blot analysis of extracts of 293T cells, using antibody (ABIN6131447, ABIN6136794, ABIN6136796 and ABIN6218313) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 30s.