

## ALKB2 Rabbit pAb

CatalogNo: YN0322

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse

#### Applications

- WB, ELISA

#### MW

- 28kD (Observed)

#### Isotype

- IgG

### Recommended Dilution Ratios

WB 1:500-2000

ELISA 1:5000-20000

### Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** Synthesized peptide derived from human protein . at AA range: 140-220

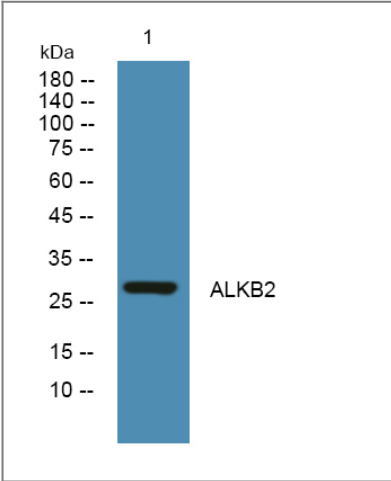
**Specificity** ALKB2 Polyclonal Antibody detects endogenous levels of protein.

### Target Information

**Gene name** ALKBH2 ABH2

<b>Protein Name</b>	Alpha-ketoglutarate-dependent dioxygenase alkB homolog 2 (Alkylated DNA repair protein alkB homolog 2) (DNA oxidative demethylase ALKBH2) (Oxy DC1)		
	<b>Organism</b>	<b>Gene ID</b>	<b>UniProt ID</b>
	Human	<a href="#">121642</a> ;	<a href="#">Q6NS38</a> ;
	Mouse		<a href="#">Q6P6J4</a> ;
<b>Cellular Localization</b>	Nucleus . Nucleus, nucleolus . Nucleus, nucleoplasm . Relocates to the replication foci during S-phase. .		
<b>Tissue specificity</b>	Detected in colon, small intestine, ovary, testis, prostate, skeletal muscle, heart, liver and urinary bladder.		
<b>Function</b>	cofactor: Binds 1 Fe(2+) ion per subunit., enzyme regulation: Activated by ascorbate., Function: Dioxygenase that repairs alkylated DNA and RNA containing 1-methyladenine and 3-methylcytosine by oxidative demethylation. Has strong preference for double-stranded DNA. Has low efficiency with single-stranded substrates. Requires molecular oxygen, alpha-ketoglutarate and iron., similarity: Belongs to the alkB family., subcellular location: Detected in replication foci during S-phase., tissue specificity: Detected in colon, small intestine, ovary, testis, prostate, skeletal muscle, heart, liver and urinary bladder.,		

Validation Data



Western blot analysis of lysates from A431 cells, primary antibody was diluted at 1:1000, 4°over night

Contact information

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