

Datasheet for ABIN5664063
anti-ALKBH7 antibody (AA 1-221)



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2 Images

Overview

| | |
|----------------------|-----------------------|
| Quantity: | 100 µL |
| Target: | ALKBH7 |
| Binding Specificity: | AA 1-221 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Application: | Western Blotting (WB) |

Product Details

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|-------------------|---|
| Immunogen: | Recombinant fusion protein containing a sequence corresponding to amino acids 1-221 of human ALKBH7 (NP_115682.1). |
| Sequence: | MAGTGLLALR TLPGPSWVRG SGPSVLSRLQ DAAVWRPGFL STAEETLSR ELEPELRRRR YEYDHWDAAI HGFRETEKSR WSEASRAILQ RVQAAAFGPG QTLSSVHVL DLEARGYIKP HVDSIKFCGA TIAGLSLLSP SVMRLVHTQE PGEWLELLLE PGSYLIRGS ARYDFSHEIL RDEESFFGER RIPRGRRISV ICRSLPEGMG PGESGQPPPA C |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse, Rat |
| Characteristics: | Polyclonal Antibodies |
| Purification: | Affinity purification |

Target Details

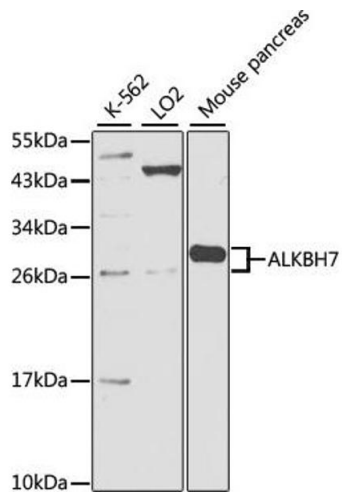
| | |
|-------------------|---|
| Target: | ALKBH7 |
| Alternative Name: | ALKBH7 (ALKBH7 Products) |
| Background: | May function as protein hydroxylase, can catalyze auto-hydroxylation at Leu-110 (in vitro, but this activity may be due to the absence of the true substrate. Required to induce programmed necrosis in response to DNA damage caused by cytotoxic alkylating agents. Acts by triggering the collapse of mitochondrial membrane potential and loss of mitochondrial function that leads to energy depletion and cell death. ALKBH7-mediated necrosis is probably required to prevent the accumulation of cells with DNA damage. Does not display DNA demethylase activity. Involved in fatty acid metabolism (By similarity,.ALKBH7,ABH7,SPATA11,UNQ6002,Epigenetics & Nuclear Signaling,DNA Damage & Repair,ALKBH7 |
| Molecular Weight: | 24 kDa |
| Gene ID: | 84266 |
| UniProt: | Q9BT30 |

Application Details

| | |
|--------------------|-----------------------|
| Application Notes: | WB,1:200 - 1:2000 |
| Restrictions: | For Research Use only |

Handling

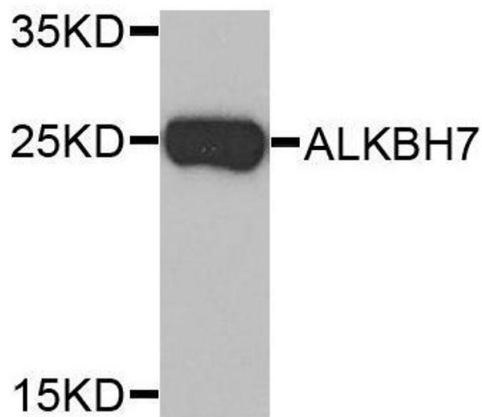
| | |
|--------------------|--|
| Buffer: | PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage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



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using antibody (ABIN3016008, ABIN3016009, ABIN5664063 and ABIN6219493) 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 Basic Kit (RM00020). Exposure time: 90s.

Mouse testis



Western Blotting

Image 2.