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## Datasheet for ABIN7111484 **anti-ALKBH7 antibody**

### Overview

Quantity:	100 µg
Target:	ALKBH7
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ALKBH7 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

### Product Details

Immunogen:	alkB, alkylation repair homolog 7(E. coli)
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

### Target Details

Target:	ALKBH7
Alternative Name:	ALKBH7 ( <a href="#">ALKBH7 Products</a> )
Background:	Synonyms:ABH7, ALKBH7, SPATA11, UNQ6002 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(PubMed:25122757). Required to induce programmed necrosis in response to DNA damage caused by cytotoxic alkylating agents. Acts by triggering

## Target Details

the collapse of mitochondrial membrane potential and loss of mitochondrial function that leads to energy depletion and cell death(PubMed:23666923). ALKBH7-mediated necrosis is probably required to prevent the accumulation of cells with DNA damage(PubMed:23666923). Does not display DNA demethylase activity(PubMed:23666923). Involved in fatty acid metabolism(By similarity).

Molecular Weight: 25 kDa

Gene ID: 84266

UniProt: [Q9BT30](#)

## Application Details

Application Notes: WB: 1:200-1:2000, IHC: 1:20-1:200

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide and 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: -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Expiry Date: 12 months