

Datasheet for ABIN7111484 **anti-ALKBH7 antibody**



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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 (ALKBH7 Products)
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