

ABH1 Polyclonal Antibody

Catalog NumberPA5-22376

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Western Blot (WB)	Dilution *1:500-1:3,000
Type	Antibody	<div>* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.</div>	
Immunogen	Recombinant fragment corresponding to a region within amino acids 166 and 387 of ABH1 (Uniprot ID#Q13686)		
Conjugate	Unconjugated		
Form	Liquid		
Concentration	1 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	0.1M tris glycine, pH 7, with 20% glycerol		
Contains	0.01% thimerosal		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

Recommended positive controls: HeLa, NT2D1. Predicted reactivity: Mouse (90%). Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Background/Target Information

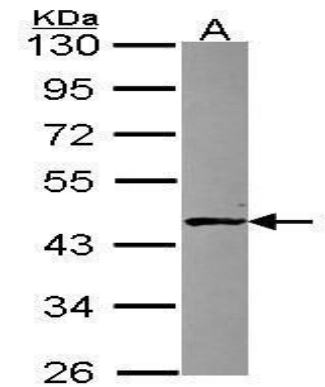
This gene encodes a homolog to the E. coli alkB gene product. The E. coli alkB protein is part of the adaptive response mechanism of DNA alkylation damage repair. It is involved in damage reversal by oxidative demethylation of 1-methyladenine and 3-methylcytosine. Dioxygenase that repairs alkylated single-stranded DNA and RNA containing 3-methylcytosine by oxidative demethylation. Requires molecular oxygen, alpha-ketoglutarate and iron. May have a role in placental trophoblast lineage differentiation. Has DNA lyase activity and introduces double-stranded breaks at abasic sites. Cleaves both single-stranded DNA and double-stranded DNA at abasic sites, with the greatest activity towards double-stranded DNA with two abasic sites.

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ABH1 Antibody (PA5-22376) in WB
Western Blot using ABH1 Polyclonal Antibody (Product # PA5-22376). Sample (30 µg of whole cell lysate). Lane A: NT2D1. 10% SDS PAGE. ABH1 Polyclonal Antibody (Product # PA5-22376) diluted at 1:1,000.

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