antibodies -online.com





anti-ALKBH1 antibody (AA 1-100) (AbBy Fluor® 488)



Go to Product page

()	1/0	r\ /1	014	
()	ve	I V I	-v	V

Quantity:	100 μL	
Target:	ALKBH1	
Binding Specificity:	AA 1-100	
Reactivity:	Mouse, Rat	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This ALKBH1 antibody is conjugated to AbBy Fluor® 488	
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))	

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human ABH1/ALKB	
Isotype:	IgG	
Cross-Reactivity:	Mouse, Rat	
Predicted Reactivity:	Human,Dog,Cow,Sheep,Pig,Horse,Rabbit	
Purification:	Purified by Protein A.	

Target Details

Target:	ALKBH1
Alternative Name:	ABH1/ALKB (ALKBH1 Products)

Target Details

Storage Comment:

Background:	Synonyms: ABH, ABH1, alkB, AlkB, alkylation repair homolog 1 E. coli, ALKB1_HUMAN, ALKBH,	
	ALKBH1, Alkylated DNA repair protein alkB homolog 1, Alkylation repair homolog 1, Alkylation	
	repair, alkB homolog, Alpha-ketoglutarate-dependent dioxygenase ABH1, DNA lyase ABH1,	
	hABH.	
	Background: ALKB protects DNA and RNA against damage from methylating compounds from	
	the environment by directly reversing 1-methyladenine (1-meA) and 3-methylcytosine (3-meC)	
	cytotoxic alkylation lesions in DNA and RNA. The enzymes act by oxidative demethylation,	
	utilizing ferrous iron and alpha-ketoglutarate as cofactors, 2-oxoglutarate as a co-substrate, and	
	molecular oxygen as the oxidizing agent. Deficiencies in DNA and RNA repair in mammals are	
	associated with cancer, neurological disease and developmental defects. ALKB plays a role in	
	resistance to anti-cancer drugs which attempt to damage tumor DNA. Escherichia coli ALKB	
	protein belongs to the superfamily of 2-oxoglutarate- and iron(II)-dependent oxygenases.	
Gene ID:	8846	
Pathways:	DNA Damage Repair	
Application Details		
Application Notes:	IF(IHC-P) 1:50-200	
	IF(IHC-F) 1:50-200	
	IF(ICC) 1:50-200	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	1 μg/μL	
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and	
	50 % Glycerol.	
Preservative:	ProClin	
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.	
Storage:	-20 °C	

Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

\vdash	land	lına
	iaria	шц

Expiry Date:

12 months