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ALKBH6 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11283c

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	Q3KRA9
Other Accession	NP_116267.3
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB28929
Calculated MW	26483
Antigen Region	116-145

Additional Information

Gene ID	84964
Other Names	Alpha-ketoglutarate-dependent dioxygenase alkB homolog 6, 11411-, Alkylated DNA repair protein alkB homolog 6, ALKBH6, ABH6
Target/Specificity	This ALKBH6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 116-145 amino acids from the Central region of human ALKBH6.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	ALKBH6 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ALKBH6 (HGNC:28243)
Function	Probable Fe(2+)/2-oxoglutarate-dependent dioxygenase involved in

	oxidative demethylation of nucleic acids (PubMed:39845104). Binds nucleic acids with a preference for ssDNA or ssRNA to other types of DNAs (PubMed:35120926). May play a role in nucleic acid damage repair (PubMed:35120926).
Cellular Location	Cytoplasm. Nucleus
Tissue Location	Widely expressed, with highest expression in testis and pancreas.

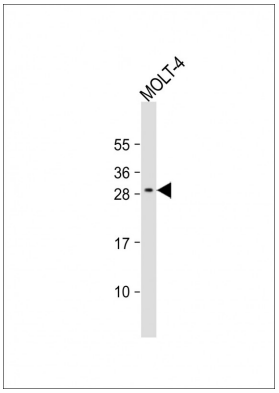
Background

Probable dioxygenase that requires molecular oxygen, alpha-ketoglutarate and iron (By similarity).

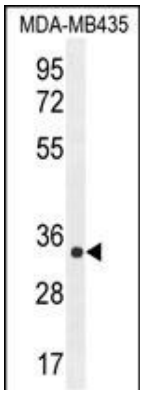
References

Strausberg, R.L., et al. Proc. Natl. Acad. Sci. U.S.A. 99(26):16899-16903(2002)

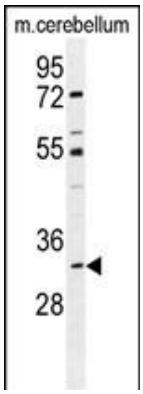
Images



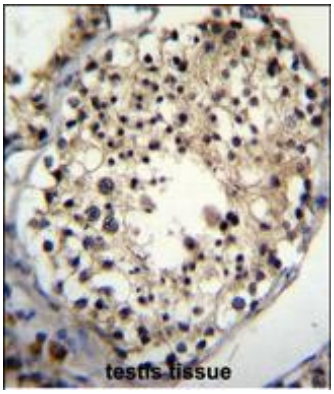
Anti-ALKBH6 Antibody (Center) at 1:1000 dilution + MOLT-4 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 26 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



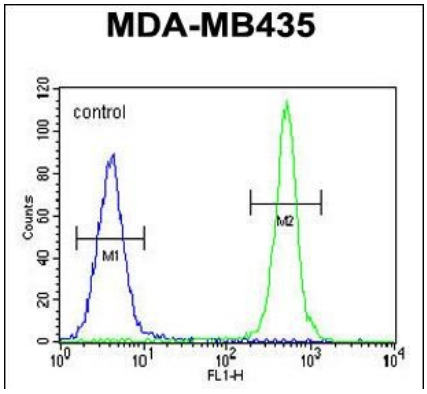
ALKBH6 Antibody (Center) (Cat. #AP11283c) western blot analysis in MDA-MB435 cell line lysates (35ug/lane).This demonstrates the ALKBH6 antibody detected the ALKBH6 protein (arrow).



ALKBH6 Antibody (Center) (Cat. #AP11283c) western blot analysis in mouse cerebellum tissue lysates (35ug/lane).This demonstrates the ALKBH6 antibody detected the ALKBH6 protein (arrow).



ALKBH6 Antibody (Center) (Cat. #AP11283c)immunohistochemistry analysis in formalin fixed and paraffin embedded human testis tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of ALKBH6 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



ALKBH6 Antibody (Center) (Cat. #AP11283c) flow cytometric analysis of MDA-MB435 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.