

ALKBH6 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11283c**Specification**

ALKBH6 Antibody (Center) - Product Information

Application	FC, IHC-P, WB,E
Primary Accession	O3KRA9
Other Accession	NP_116267.3
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	116-145

ALKBH6 Antibody (Center) - 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

FC~~1:10~50

IHC-P~~1:50~100

WB~~1:1000

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.

ALKBH6 Antibody (Center) - 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

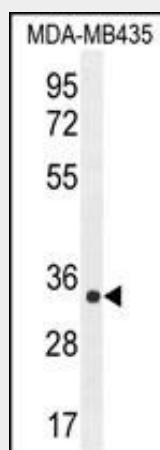
Widely expressed, with highest expression in testis and pancreas.

ALKBH6 Antibody (Center) - Protocols

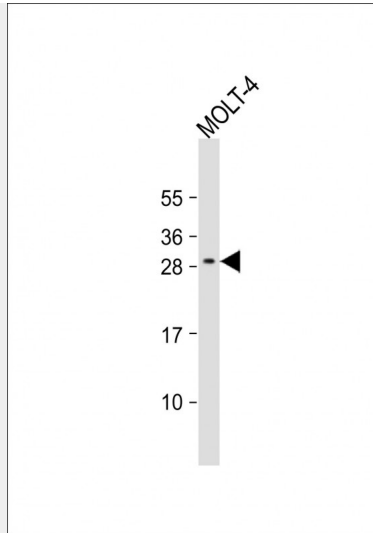
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

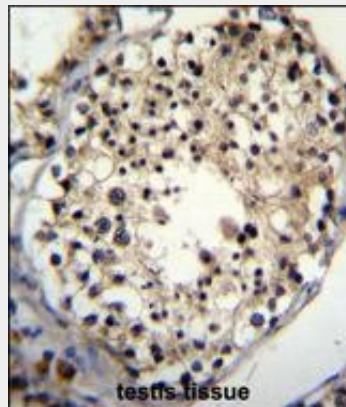
ALKBH6 Antibody (Center) - Images



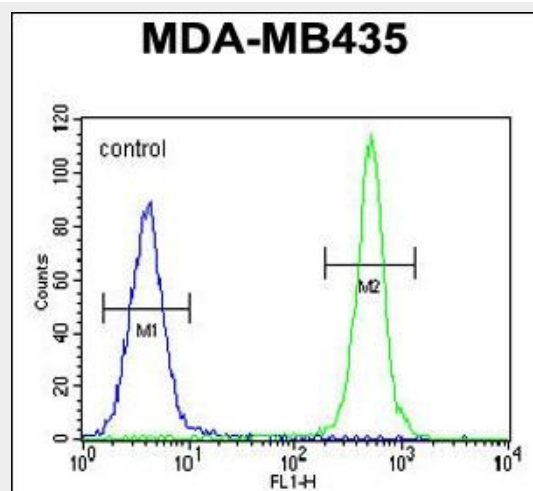
ALKBH6 Antibody (Center) (Cat. #AP11283c) western blot analysis in MDA-MB435 cell line lysates (35ug/lane). This demonstrates the ALKBH6 antibody detected the ALKBH6 protein (arrow).



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) 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.

ALKBH6 Antibody (Center) - Background

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

ALKBH6 Antibody (Center) - References

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