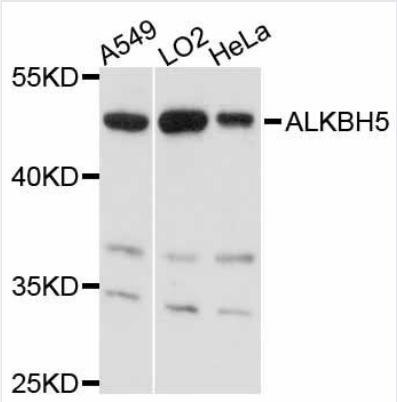
ALKBH5 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ALKBH5, Polyclonal Antibody
Full Product Name	ALKBH5 Polyclonal Antibody
Product Gene Name	anti-ALKBH5 antibody
Product Synonym Names	ABH5; OFOXD; OFOXD1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Purity/Purification	Affinity Purification
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	44kDa
OMIM	AK000315 mRNA
3D Structure	ModBase 3D Structure for Q6P6C2
Immunogen	Recombinant protein of human ALKBH5
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Product Categories/Family for anti-ALKBH5 antibody	Primary antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-ALKBH5 antibody	Western Blot (WB)
Application Notes for anti-ALKBH5 antibody	WB: 1:500 - 1:2000
Related Product Information for anti-ALKBH5 antibody	MBS9131677 is an antibody targeting ALKBH5. Also known as ALKBH5 Polyclonal Antibody. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-ALKBH5 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-ALKBH5 antibody
Western blot analysis of extracts of various cell lines, using ALKBH5 antibody at 1:3000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (MBS128200) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit.Exposure time: 10s.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ALKBH5. It may not necessarily be applicable to this product.

NCBI GI #	408359959
NCBI GeneID	54890
NCBI Accession #	Q6P6C2.2
UniProt Primary Accession #	Q6P6C2
UniProt Secondary Accession #	Q9NXD6; B4DVJ4; D3DXC6
UniProt Related Accession #	Q6P6C2
NCBI Official Full Name	RNA demethylase ALKBH5
NCBI Official Synonym Full Names	alkB homolog 5, RNA demethylase
NCBI Official Symbol	ALKBH5
NCBI Official Synonym Symbols	ABH5; OFOXD; OFOXD1
UniProt Protein Name	RNA demethylase ALKBH5
UniProt Synonym Protein Names	Alkylated DNA repair protein alkB homolog 5; Alpha-ketoglutarate-dependent dioxygenase alkB homolog 5
Protein Family	RNA demethylase
UniProt Gene Name	ALKBH5
UniProt Synonym Gene Names	ABH5; OFOXD1
NCBI Protein Information	RNA demethylase ALKBH5

UniProt Comments for ALKBH5	ALKBH5: a protein contaning a 2-oxoglutarate (2OG) and Fe(II)-dependent oxygenase superfamily domain. May be involved in DNA alkylation damage repair Protein type: DNA repair, damage; EC 1.14.11.-; Membrane protein, integral; Oxidoreductase; RNA-binding Chromosomal Location of Human Ortholog: 17p11.2|17p11.2 Cellular Component: cytosol; Golgi apparatus; nuclear speck; nucleoplasm; nucleus Molecular Function: oxidoreductase activity, acting on paired donors, with incorporation or reduction of molecular oxygen, 2-oxoglutarate as one donor, and incorporation of one atom each of oxygen into both donors; RNA binding Biological Process: DNA dealkylation; mRNA export from nucleus; mRNA processing; response to hypoxia; spermatogenesis
Research Articles on ALKBH5	**1.** HIF-dependent ALKBH5 expression mediates enrichment of BCSCs in the hypoxic tumor microenvironment
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