

Rabbit anti-Human Alpha-ketoglutarate-dependent dioxygenase alkB homolog 3 Polyclonal Antibody | anti-ALKBH3 antibody

Rabbit anti-human Alpha-ketoglutarate-dependent dioxygenase alkB homolog 3 polyclonal Antibody

CATALOG # AAA119039	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA
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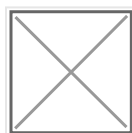
PRODUCT SYNONYMS

Alpha-ketoglutarate-dependent dioxygenase alkB homolog 3; Polyclonal Antibody; Rabbit anti-human Alpha-ketoglutarate-dependent dioxygenase alkB homolog 3 polyclonal Antibody; Alkylated DNA repair protein alkB homolog 3; DEPC-1; Prostate cancer antigen 1; ABH3; DEPC1; ALKBH3; anti-ALKBH3 antibody

PRODUCT SPECIFICATIONS

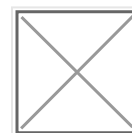
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Caprylic Acid Ammonium Sulfate Precipitation Purified
Sequence Length	286
Applicable Applications for anti-ALKBH3 antibody	ELISA
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Conjugate	Non-conjugated
Immunogen	Recombinant human Alpha-ketoglutarate-dependent dioxygenase alkB homolog 3 protein(1-170AA)
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-167073 / sc-167074
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



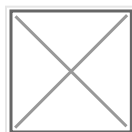
IHC (Immunohistochemistry)

Immunofluorescent analysis of PC3 cells using AAA119039 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



ICC (Immunocytochemistry)

Immunocytochemistry analysis of human skeletal muscle tissue using AAA119039 at dilution of 1:100



IHC (Immunohistochemistry)

Immunohistochemistry analysis of human testis tissue using AAA119039 at dilution of 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-ALKBH3 antibody	Dioxygenase that repairs alkylated DNA containing 1-methyladenine (1meA) and 3-methylcytosine (3meC) by oxidative demethylation. Has a strong preference for single-stranded DNA. Able to process alkylated 3mC within double-stranded regions via its interaction with ASCC3, which promotes DNA unwinding to generate single-stranded substrate needed for ALKHB3. May also act on RNA. Requires molecular oxygen, alpha-ketoglutarate and iron.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	21040275
NCBI GeneID	221120
NCBI Accession #	NP_631917.1
NCBI GenBank Nucleotide #	NM_139178.3
UniProt Accession #	Q96Q83; Q3SYI0; Q6NX57; Q96BU8; A6NDJ1
Molecular Weight	19,310 Da
NCBI Official Full Name	alpha-ketoglutarate-dependent dioxygenase alkB homolog 3
NCBI Official Synonym Full Names	alkB homolog 3, alpha-ketoglutarate-dependent dioxygenase
NCBI Official Symbol	ALKBH3
NCBI Official Synonym Symbols	ABH3; PCA1; DEPC1; DEPC-1
NCBI Protein Information	alpha-ketoglutarate-dependent dioxygenase alkB homolog 3
UniProt Protein Name	Alpha-ketoglutarate-dependent dioxygenase alkB homolog 3
UniProt Gene Name	ALKBH3
UniProt Synonym Gene Names	ABH3; DEPC1
UniProt Entry Name	ALKB3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/alpha-ketoglutarate-dependent-dioxygenase-alkb-homolog-3-antibody-elisa/119039>