

ALKBH3 polyclonal antibody

Catalog: BS7871

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

ALKBH3 (alkB, alkylation repair homolog 3), also known as ABH3, PCA1 (prostate cancer antigen 1), DEPC1 or DEPC-1, is a 286 amino acid member of the AlkB family of proteins and functions as a dioxygenase with a preference for RNA and single stranded DNA substrates. ALKBH3 is one of many homologs of the Escherichia coli protein, AlkB. ALKBH3 is expressed in a wide variety of tissues and localizes to the cytoplasm and the nucleus. It associates with iron and 2-oxoglutarate, coupling the oxidation of substrates to the conversion of 2-oxoglutarate into succinate and CO₂. Via oxidative demethylation, ALKBH3 repairs 1-methyladenine and 3-methylcytosine lesions in alkylated DNA and RNA. Its activity is stimulated by ascorbate. Two isoforms exist for ALKBH3 due to alternative splicing of the gene.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 33 kDa

Swiss-Prot:

Q96Q83

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:2000

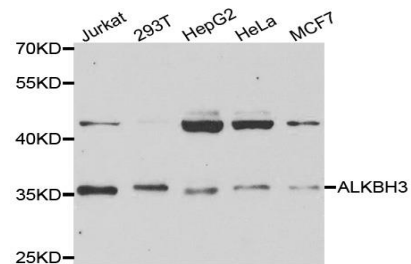
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

ALKBH3 polyclonal antibody detects endogenous levels of ALKBH3 protein.

DATA:



WesternBlot (WB) analysis of ALKBH3 polyclonal antibody

Note:

For research use only, not for use in diagnostic procedure.

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