

ALKBH8 Polyclonal Antibody

Catalog No. E-AB-62556

Note: Centrifuge before opening to ensure complete recovery of vial contents.

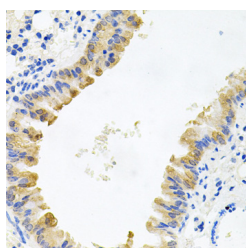
Description

Reactivity	Human, Mouse
Immunogen	Recombinant fusion protein of human ALKBH8 (NP_620130.2).
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Conjugation	Unconjugated
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

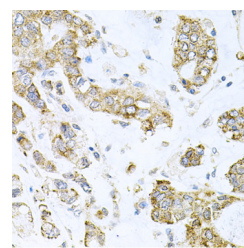
Applications Recommended Dilution

IHC 1:100-1:200 IF
1:50-1:100

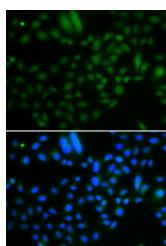
Data



Immunohistochemistry of paraffin-embedded Mouse lung using ALKBH8 Polyclonal Antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded Human gastric cancer using ALKBH8 Polyclonal Antibody at dilution of 1:100 (40x lens).



Immunofluorescence analysis of A549 cells using ALKBH8 Polyclonal Antibody

Preparation & Storage

Storage Store at -20°C. Avoid freeze / thaw cycles.

Background

ALKBH8 (alkylated DNA repair protein AlkB homolog 8) is a 664 amino acid protein that is encoded by a gene located

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on chromosome 11. ALKBH8 contains one RRM (RNA recognition motif) domain and belongs to the AlkB family of proteins. ALKBH8 is one of many homologs of the Escherichia coli protein AlkB. AlkB functions to protect DNA and RNA against damage from environmental methylating compounds by directly reversing 1-methyladenine (1-meA) and 3-methylcytosine (3-meC) cytotoxic alkylation lesions in DNA and RNA. The enzyme acts by oxidative demethylation, utilizing ferrous iron and alpha-ketoglutarate as cofactors, 2-oxoglutarate as a co-substrate and molecular oxygen as the oxidizing agent. Three isoforms exist for ALKBH8 due alternative splicing of the gene.