

ALKBH8 Antibody

Catalog No: #42995

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

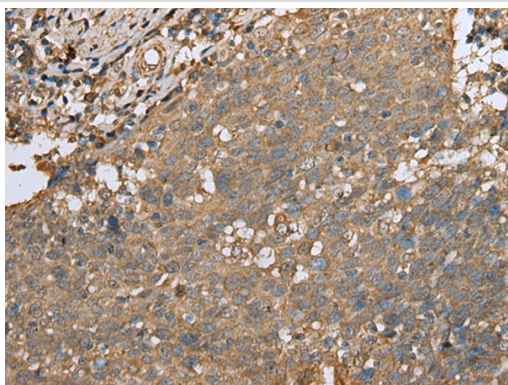
Description

Product Name	ALKBH8 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total ALKBH8 protein.
Immunogen Type	protein
Immunogen Description	Full length fusion protein of human ALKBH8
Target Name	ALKBH8
Other Names	ABH8; TRM9; TRMT9
Accession No.	Swiss-Prot#: Q96BT7 Gene ID: 91801
Uniprot	Q96BT7
GeneID	91801;
Concentration	1.2mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Storage	Store at -20°C

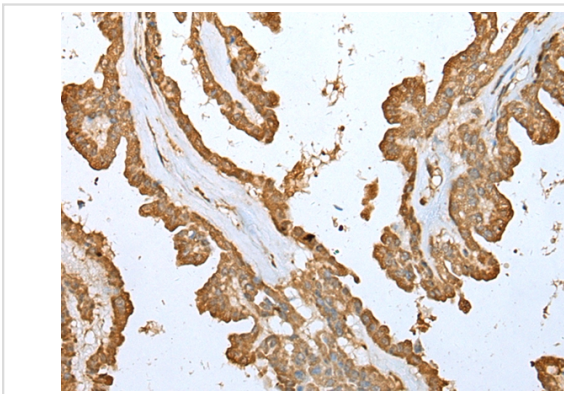
Application Details

Immunohistochemistry: 1:25-1:100

Images



Immunohistochemical analysis of paraffin-embedded Human cervical cancer tissue using #42995 at dilution 1/25.



Immunohistochemical analysis of paraffin-embedded Human thyroid cancer tissue using #42995 at dilution 1/25.

Background

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

Note: This product is for in vitro research use only