DNMT3L Antibody

Catalog No: #35715

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

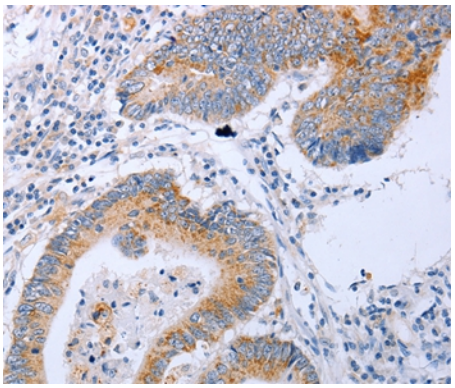
Description

Product Name	DNMT3L Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total DNMT3L protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Fusion protein corresponding to residues near the C terminal of human DNA (cytosine-5-)-methyltransferase 3-like
Target Name	DNMT3L
Other Names	cytosine-5-methyltransferase 3-like protein;MGC1090
Accession No.	Swiss-Prot#: Q9UJW3NCBI Gene ID: 29947Gene Accssion: BC002560
Uniprot	Q9UJW3
GeneID	29947;
Concentration	0.4mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

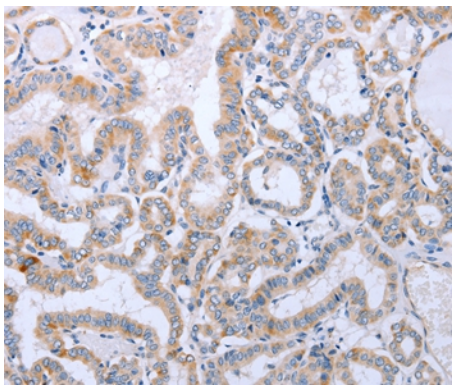
Application Details

Immunohistochemistry: 1:10-1:50

Images



Immunohistochemical analysis of paraffin-embedded Human colon cancer tissue using #35715 at dilution 1/10.



Immunohistochemical analysis of paraffin-embedded Human thyroid cancer tissue using #35715 at dilution 1/10.

Background

CpG methylation is an epigenetic modification that is important for embryonic development, imprinting, and X-chromosome inactivation. Studies in mice have demonstrated that DNA methylation is required for mammalian development. This gene encodes a nuclear protein with similarity to DNA methyltransferases, but is not thought to function as a DNA methyltransferase as it does not contain the amino acid residues necessary for methyltransferase activity. However, it does stimulate de novo methylation by DNA cytosine methyltransferase 3 alpha and is thought to be required for the establishment of maternal genomic imprints. This protein also mediates transcriptional repression through interaction with histone deacetylase 1. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Note: This product is for in vitro research use only