SETD7 Antibody

Catalog No: #36520

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

Description

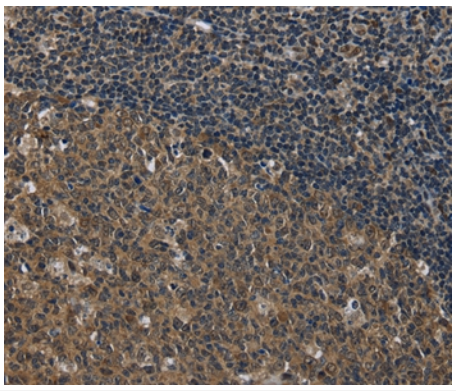
Product Name	SETD7 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	IHC WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total SETD7 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Fusion protein corresponding to residues near the C terminal of human SET domain containing (lysine methyltransferase) 7
Target Name	SETD7
Other Names	KMT7; SET7; SET9; SET7/9
Accession No.	Swiss-Prot#: Q8WTS6NCBI Gene ID: 80854Gene Accssion: BC121055
Uniprot	Q8WTS6
GeneID	80854;
Concentration	0.9mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

Application Details

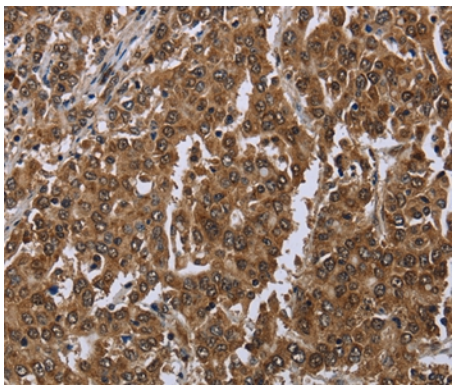
Immunohistochemistry: 1:50-1:200

Western blotting: 1:500-1000

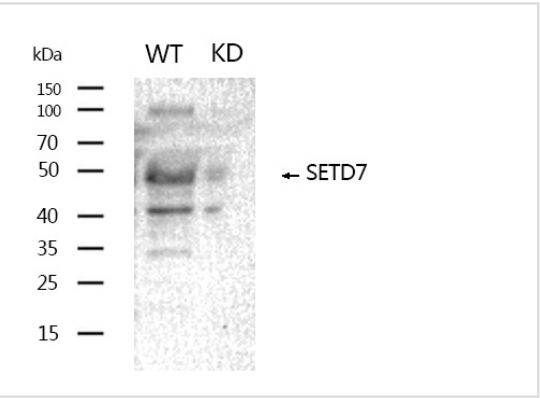
Images



Immunohistochemical analysis of paraffin-embedded Human tonsil cancer tissue using #36520 at dilution 1/20.



Immunohistochemical analysis of paraffin-embedded Human liver cancer tissue using #36520 at dilution 1/20.



Western blotting analysis using SETD7 Antibody #36520.

Background

The methylation of histones plays a pivotal role in the regulation of chromatin structure and gene expression. Histone methylation can occur on Arg or Lys residues, with an exquisite site selectivity for Lys methylation at specific positions in the N-termini of histones H3 and H4. SET7/9, a histone methyltransferase (HMTase), which transfers methyl groups to Lys4 of histone H3, forms a complex with S-adenosyl-L-methionine. This complex contains an active site consisting of a binding pocket where an AdoMet molecule in an unusual conformation binds, a narrow substrate-specific channel that only unmethylated lysine residues can access and a catalytic tyrosine residue.

Note: This product is for in vitro research use only