



Rabbit Anti-METT10D antibody

SL18811R

Product Name:	METT10D
Chinese Name:	甲基样蛋白16抗体
Alias:	2610100D03Rik; 2810013M15Rik; A830095F14Rik; AI846133; Methyltransferase 10 domain containing; Methyltransferase like 16; METT10D; MGC3329; OTTMUSP00000006473; Putative methyltransferase METT10D; RP23-174M12.2.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Rabbit,Sheep,Guinea Pig,Cat,Chimpanzee,
Applications:	IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	62kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human METT10D:1-100/562
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	METT10D is a 562 amino acid protein that belongs to the METTL16/rImF family and methyltransferase superfamily. A putative methyltransferase, METT10D exists as two alternatively spliced isoforms and undergoes phosphorylation in response to DNA damage, most likely by Atm or ATR. The gene encoding METT10D maps to human chromosome 17, which comprises over 2.5% of the human genome and encodes over

1,200 genes. Two key tumor suppressor genes are associated with chromosome 17, namely, p53 and BRCA1. Malfunction or loss of p53 expression is associated with malignant cell growth and Li-Fraumeni syndrome. Like p53, BRCA1 is directly involved in DNA repair, and is linked to predisposition of cancers of the ovary, colon, prostate gland and fallopian tubes.

Function:

Probable methyltransferase.

Similarity:

Belongs to the methyltransferase superfamily. METTL16/RlmF family.

SWISS:

Q86W50

Gene ID:

79066

Database links:

[Entrez Gene: 468142](#) Chimpanzee

[Entrez Gene: 100765063](#) Chinese Hamster

[Entrez Gene: 480655](#) Dog

[Entrez Gene: 100734997](#) Guinea pig

[Entrez Gene: 79066](#) Human

[Entrez Gene: 67493](#) Mouse

[Entrez Gene: 360568](#) Rat

[SwissProt: Q86W50](#) Human

[SwissProt: Q9CQG2](#) Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.