



## Rabbit Anti-ICMT antibody

SL8019R

<b>Product Name:</b>	ICMT
<b>Chinese Name:</b>	异戊烯半胱氨酸羧基甲基转移酶抗体
<b>Alias:</b>	CMT; HSTE14; Icmt; ICMT_HUMAN; Isoprenylcysteine carboxylmethyltransferase; MGC39955; MGC95322; MST098; MSTP098; pcCMT; PCMT; PPMT; Prenylated protein carboxyl methyltransferase; Prenylcysteine carboxyl methyltransferase; Protein-S-isoprenylcysteine O-methyltransferase; RP23-421E12.4; STE14; fcmt.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Cow,Sheep,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	32kDa
<b>Cellular localization:</b>	cytoplasmicThe cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human CMT/Icmt:211-278/284
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	Catalyzes the post-translational methylation of isoprenylated C-terminal cysteine residues. Tissue specificity: Ubiquitously expressed. Expressed at higher levels in the cerebellum and putamen than in other brain regions. Abundant expression seen in the Purkinje cells and pontine neurons.

**Function:**

Catalyzes the post-translational methylation of isoprenylated C-terminal cysteine residues.

**Subcellular Location:**

Endoplasmic reticulum membrane.

**Tissue Specificity:**

Ubiquitously expressed. Expressed at higher levels in the cerebellum and putamen than in other brain regions. Abundant expression seen in the Purkinje cells and pontine neurons.

**Similarity:**

Belongs to the isoprenylcysteine O-methyltransferase family.

**SWISS:**

O60725

**Gene ID:**

23463

**Database links:**

[Entrez Gene: 23463](#)Human

[Entrez Gene: 57295](#)Mouse

[Entrez Gene: 170818](#)Rat

[Omim: 605851](#)Human

[SwissProt: O60725](#)Human

[SwissProt: Q9EQK7](#)Mouse

[SwissProt: Q9WVM4](#)Rat

[Unigene: 515688](#)Human

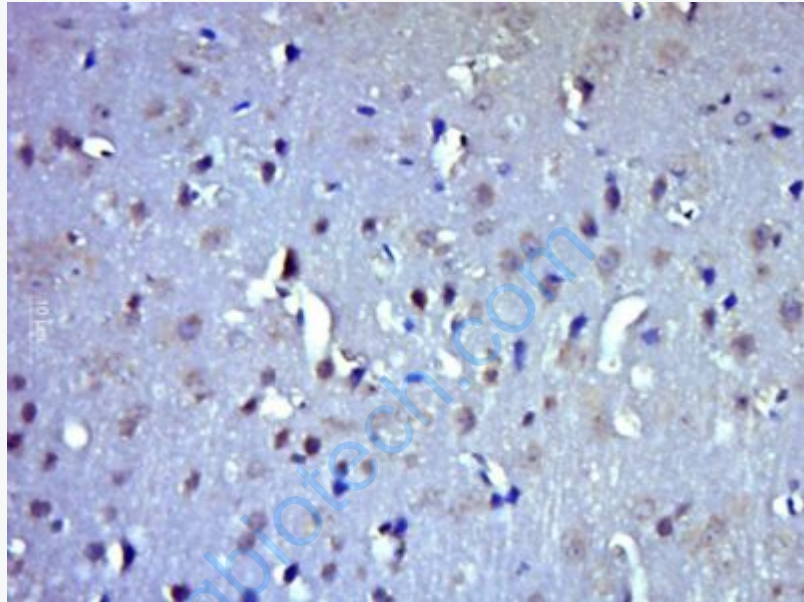
[Unigene: 277464](#)Mouse

[Unigene: 48709](#)Rat

**Important Note:**

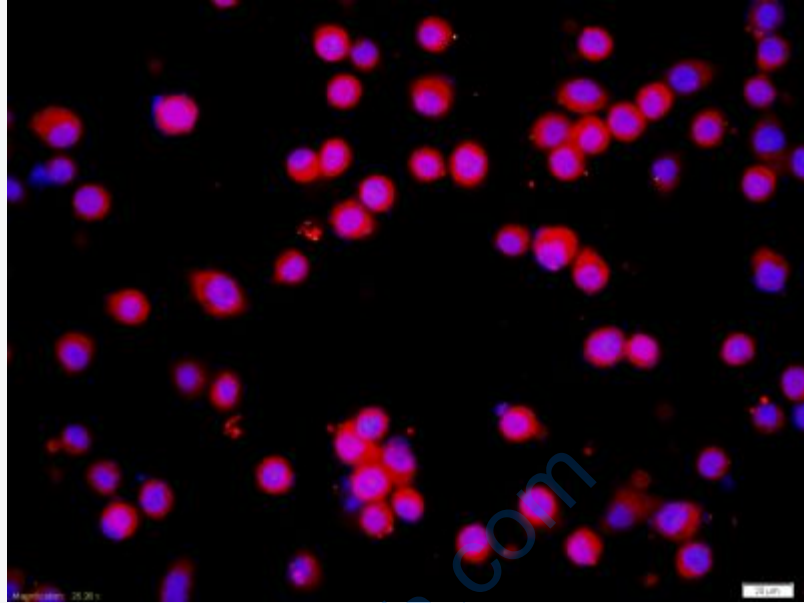
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Icmt酶是异戊烯途径中的一种关键酶, 它能将甲基加到Ras上。这种甲基标签能使Ras到达细胞中的最终目的地, Icmt酶能发送不控制生长的信号, 因此, Icmt蛋白在保持细胞中的致癌基因Ras的开启状态中起到重要作用。(Ras是细胞的一种正常的遗传成分, 但是这种基因的突变能够致使它促进细胞的失控生长。而且, 在一半的结肠癌和90%的胰腺癌中发生了Ras基因突变)。



Picture:

Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (ICMT) Polyclonal Antibody, Unconjugated (SL8019R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Tissue/cell: human pancreatic carcinoma(BXPC-3);4% Paraformaldehyde-fixed;  
Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;  
Incubation: Anti-ICMT Polyclonal Antibody, Unconjugated(SL8019R) 1:200,  
overnight at 4°C; The secondary antibody was Goat Anti-Rabbit IgG, Cy5  
conjugated(SL8019R)used at 1:200 dilution for 40 minutes at 37°C.  
DAPI(5ug/ml,blue,C-0033) was used to stain the cell nuclei