

For Research Use Only

CAMKMT Polyclonal antibody

Catalog Number: 27970-1-AP



Basic Information

Catalog Number: 27970-1-AP	GenBank Accession Number: BC053733	Purification Method: Antigen affinity purification
Size: 400 µg/ml	GeneID (NCBI): 79823	Recommended Dilutions: WB 1:5000-1:50000 IF/ICC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q7Z624	
Isotype: IgG	Full Name: chromosome 2 open reading frame 34	
Immunogen Catalog Number: AG27559	Calculated MW: 323 aa, 36 kDa	
	Observed MW: 36 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls: WB : mouse brain tissue, rat brain tissue IF/ICC : HeLa cells,
Species Specificity: Mouse, Rat, Human	

Background Information

CAMKMT, also named as C2orf34 and CLNMT, belongs to the class I-like SAM-binding methyltransferase superfamily and CLNMT methyltransferase family. The CAMKMT enzyme participates in cell cycle and development, regulating the production of calmodulin with three methyl lysine residues directly or indirectly. It also plays a major role in the calcium-dependent signaling pathway and posttranscriptional modifications, including Lys-115. CAMKMT is expressed mainly in the brain, liver, muscle, colon, and lung and is involved in muscle cell activities that are regulated by calcium binding (PMID: 27435482). The molecular weight of CAMKMT is 36 kDa.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

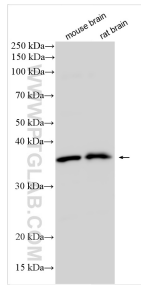
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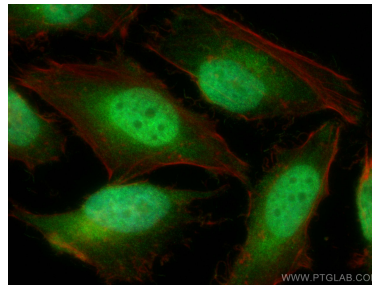
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 27970-1-AP (CAMKMT antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CAMKMT antibody (27970-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).