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THUMPD3 Rabbit pAb

Catalog # AP99135

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q9BV44
Other Accession	Q9BV44
Predicted	Rat, Human, Mouse, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	57003
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human THUMPD3
Epitope Specificity	131-230/507
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the methyltransferase superfamily. Contains 1 THUMP domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Additional Information

Gene ID	25917
Other Names	THUM3_HUMAN; THUMPD3; THUMP domain-containing protein 3; tRNA(Trp) (guanine(7)-N(2))-methyltransferase THUMP3; 2.1.1.256; THUMP domain 3 tRNA guanosine methyltransferase; THUMP domain containing 3
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name	THUMPD3 (HGNC:24493)
Function	Catalytic subunit of the THUMPD3-TRM112 methyltransferase complex, that specifically mediates the S-adenosyl-L-methionine- dependent N(2)-methylation of guanosine nucleotide at position 6 (m2G6) in tRNAs (PubMed:34669960, PubMed:37283053). This is one of the major tRNA (guanine-N(2))-methyltransferases (PubMed:37283053). Also catalyzes the S-adenosyl-L-methionine-dependent N(2)-methylation of guanosine

nucleotide at position 7 of tRNA(Trp) (PubMed:34669960).

Cellular Location Cytoplasm

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.