

THUM3 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP10820c

Product Information

Application	WB, IHC-P, E
Primary Accession	Q9BV44
Other Accession	NP_056268.2
Reactivity	Human
Predicted	Canine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB28715
Calculated MW	57003
Antigen Region	194-223

Additional Information

Gene ID	25917
Other Names	THUMP domain-containing protein 3, THUMPD3
Target/Specificity	This THUM3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 194-223 amino acids from the Central region of human THUM3.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	THUM3 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

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](#)).

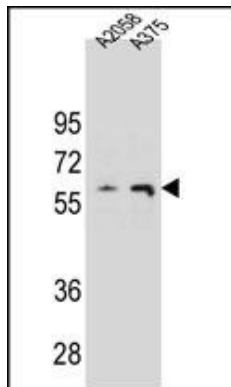
Cellular Location

Cytoplasm

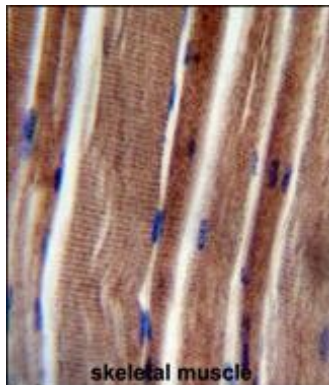
References

Lehner, B., et al. Genome Res. 14(7):1315-1323(2004)

Images



THUM3 Antibody (Center) (Cat. #AP10820c) western blot analysis in A2058 and A375 cell line lysates (35ug/lane). This demonstrates the THUM3 Antibody (Center) antibody detected the THUM3 Antibody (Center) protein (arrow).



THUM3 Antibody (Center) (Cat. #AP10820c) immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the THUM3 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

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