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Product datasheet for TA319792

LCMT2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1 ug/mL, ICC: 5 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	TYW4 antibody was raised against a 16 amino acid synthetic peptide near the amino terminus of human TYW4.
Formulation:	TYW4 Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	TYW4 Antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	leucine carboxyl methyltransferase 2
Database Link:	NP_055608 Entrez Gene 296098 RatEntrez Gene 329504 MouseEntrez Gene 9836 Human O60294
Background:	TYW4 Antibody: TYW4 is an enzyme that participates in the wybutosine-tRNA (Phe) biosynthesis pathway. Wybutosine (yW) is a hypermodified guanosine at the 3-prime position adjacent to the anticodon of phenylalanine tRNA that stabilizes codon-anticodon interactions during decoding on the ribosome. TYW4 is involved in a multistep enzymatic reaction that stabilizes codon-anticodon base-pairing during the ribosomal decoding process, thereby ensuring correct translation.
Synonyms:	PPM2; TYW4
Protein Families:	Druggable Genome

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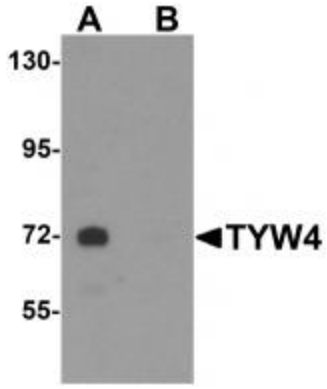
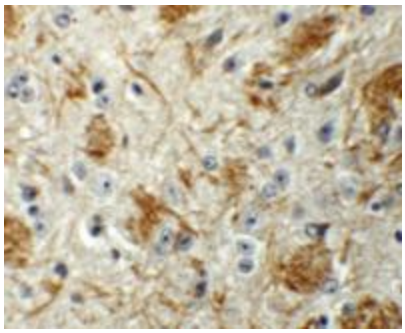
Protein Pathways: Alzheimer's disease, Androgen and estrogen metabolism, Cardiac muscle contraction, Histidine metabolism, Huntington's disease, Metabolic pathways, Oxidative phosphorylation, Parkinson's disease, Selenoamino acid metabolism, Tyrosine metabolism

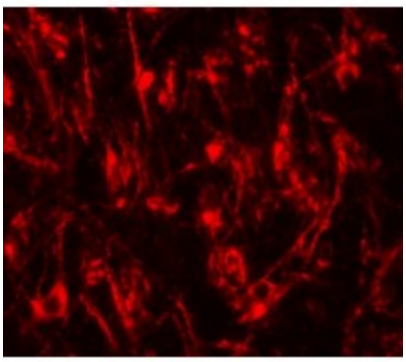
Product images:



Western blot analysis of TYW4 in rat brain tissue lysate with TYW4 antibody at 1 ug/mL in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry of TYW4 in mouse brain tissue with TYW4 antibody at 5 ug/mL.



Immunofluorescence of TYW1 in mouse brain tissue with TYW1 antibody at 20 ug/mL.

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