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TARSL2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP8654b

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	A2RTX5
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB19649
Calculated MW	92646
Antigen Region	638-665

Additional Information

Gene ID	123283
Other Names	Probable threonine--tRNA ligase 2, cytoplasmic, Threonyl-tRNA synthetase, ThrRS, Threonyl-tRNA synthetase-like protein 2, TARSL2
Target/Specificity	This TARSL2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 638-665 amino acids from the C-terminal region of human TARSL2.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 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	TARSL2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

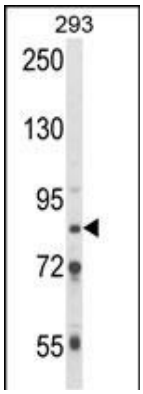
Name	TARS3 (HGNC:24728)
Synonyms	TARSL2
Function	Catalyzes the attachment of threonine to tRNA(Thr) in a two- step reaction:

threonine is first activated by ATP to form Thr-AMP and then transferred to the acceptor end of tRNA(Thr). Also edits incorrectly charged tRNA(Thr) via its editing domain, at the post- transfer stage.

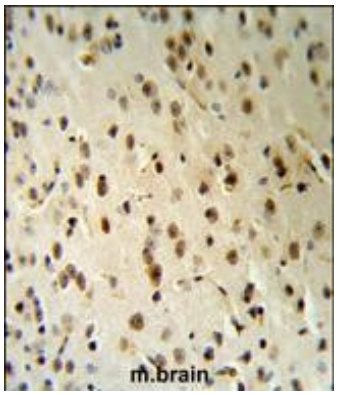
Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:Q8BLY2}. Nucleus {ECO:0000250|UniProtKB:Q8BLY2}. Note=Primarily cytoplasmic. Also detected at lower levels in the nucleus {ECO:0000250|UniProtKB:Q8BLY2}

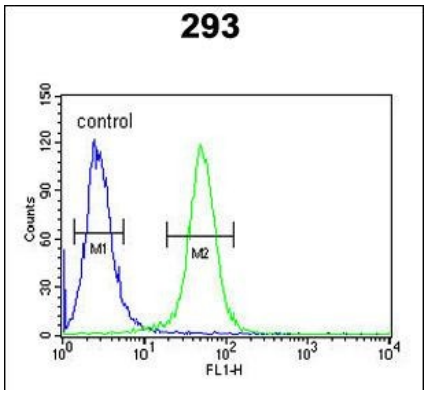
Images



Western blot analysis of TARSL2 Antibody (C-term) (Cat. #AP8654b) in 293 cell line lysates (35ug/lane). TARSL2 (arrow) was detected using the purified Pab.



TARSL2 Antibody (C-term) (RB19649) IHC analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the TARSL2 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



TARSL2 Antibody (C-term) (Cat. #AP8654b) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.