TAT Antibody – Polyclonal

PRODUCT OVERVIEW

Product Name	TAT, Polyclonal Antibody
Full Product Name	TAT Polyclonal Antibody
Product Gene Name	anti-TAT antibody
Clonality	Polyclonal
Molecular Weight	50,399 Da
OMIM	276600
3D Structure	ModBase 3D Structure for P17735
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for anti-TAT antibody	MBS8525524 is an antibody targeting TAT. Also known as TAT Polyclonal Antibody.
Other Notes	Small volumes of anti-TAT antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TAT. It may not necessarily be applicable to this product.

NCBI GI #	4507369
NCBI GeneID	6898
NCBI Accession #	NP_000344.1
UniProt Primary Accession #	P17735
UniProt Secondary Accession #	B2R8I1; D3DWS2
UniProt Related Accession #	P17735
GenBank Nucleotide #	NM_000353.2
NCBI Official Full Name	tyrosine aminotransferase
NCBI Official Synonym Full Names	tyrosine aminotransferase
NCBI Official Symbol	TAT
UniProt Protein Name	Tyrosine aminotransferase
UniProt Synonym Protein Names	L-tyrosine:2-oxoglutarate aminotransferase
Protein Family	Protein
UniProt Gene Name	TAT
UniProt Synonym Gene Names	TAT
NCBI Protein Information	tyrosine aminotransferase

NCBI Summary for TAT	This nuclear gene encodes a mitochondrial protein tyrosine aminotransferase which is present in the liver and catalyzes the conversion of L-tyrosine into p-hydroxyphenylpyruvate. Mutations in this gene cause tyrosinemia (type II, Richner-Hanhart syndrome), a disorder accompanied by major skin and corneal lesions, with possible cognitive disability. A regulator gene for tyrosine aminotransferase is X-linked. [provided by RefSeq, Jul 2008]
UniProt Comments for TAT	Transaminase involved in tyrosine breakdown. Converts tyrosine to p-hydroxyphenylpyruvate. Can catalyze the reverse reaction, using glutamic acid, with 2-oxoglutarate as cosubstrate (in vitro). Has much lower affinity and transaminase activity towards phenylalanine.
Research Articles on TAT	**1.** Data analysis did not reveal a genotype-phenotype correlation, but stressed the need of early diagnosis: All patients improved the oculocutaneous lesions after dietary treatment but neurological symptoms prevailed. The discovery of founder mutations in isolated populations, and the benefits of early intervention, should increase diagnostic awareness in newborns.
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