

Anti-EFTU / TUFM Antibody

Rabbit Anti Human Polyclonal Antibody

Catalog # ALS17297

Product Information

Application	WB, IHC-P, E
Primary Accession	P49411
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	49875

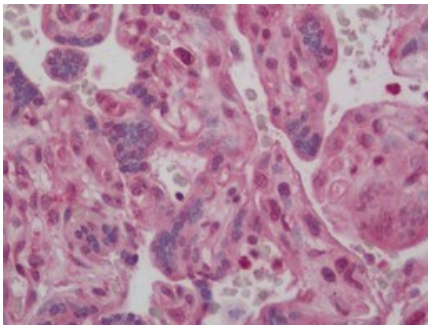
Additional Information

Gene ID	7284
Alias Symbol	TUFM
Other Names	TUFM, EF-TuMT, EF-Tu, EFTU, p43, COXPD4
Target/Specificity	Human EFTU / TUFM
Reconstitution & Storage	PBS, pH 7.4, 0.03% Proclin 300, 50% glycerol. Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.
Precautions	Anti-EFTU / TUFM Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TUFM
Function	GTP hydrolase that promotes the GTP-dependent binding of aminoacyl-tRNA to the A-site of ribosomes during protein biosynthesis. Participates in mitochondrial translation (By similarity). Also plays a role in the regulation of autophagy and innate immunity (PubMed: 22749352 , PubMed: 28407488). Recruits ATG5-ATG12 and NLRX1 at mitochondria and serves as a checkpoint of the RIGI-MAVS pathway (PubMed: 28407488). In turn, inhibits RLR-mediated type I interferon while promoting autophagy (PubMed: 22749352).
Cellular Location	Mitochondrion matrix

Images



Human Placenta: Formalin-Fixed, Paraffin-Embedded (FFPE)

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