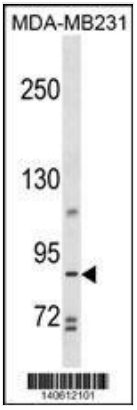
TROAP Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TROAP, Polyclonal Antibody
Full Product Name	TROAP, NT (TROAP, Tastin, Trophinin-assisting protein, Trophinin-associated protein) (FITC)
Product Gene Name	anti-TROAP antibody
Product Synonym Names	TROAP; Tastin; Trophinin-assisting protein; Trophinin-associated protein
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein Isothiocyanate (FITC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
OMIM	603872
3D Structure	ModBase 3D Structure for Q12815
Immunogen	TROAP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 6-33 amino acids from the N-terminal region of human TROAP.
Conjugate	FITC
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-TROAP antibody	Antibodies; Proteins
Applications Tested/Suitable for anti-TROAP antibody	Western Blot (WB), FLISA
Application Notes for anti-TROAP antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-TROAP antibody	TROAP could be involved with bystin and trophinin in a cell adhesion molecule complex that mediates an initial attachment of the blastocyst to uterine epithelial cells at the time of the embryo implantation.
Product References and Citations for anti-TROAP antibody	Yang, S., et al. FASEB J. 22(6):1960-1972(2008). Beausoleil, S.A., et al. Nat. Biotechnol. 24(10):1285-1292(2006). Nadano, D., et al. Biochem. J. 364 (PT 3), 669-677 (2002): Suzuki, N., et al. Biol. Reprod. 60(3):621-627(1999). Suzuki, N., et al. Proc. Natl. Acad. Sci. U.S.A. 95(9):5027-5032(1998).
Other Notes	Small volumes of anti-TROAP 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.

Searchable Terms for TROAP purchase	MBS6358773 is an antibody targeting TROAP. Also known as TROAP, NT (TROAP, Tastin, Trophinin-assisting protein, Trophinin-associated protein) (FITC). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-TROAP antibody
TROAP Antibody (N-term) western blot analysis in MDA-MB231 cell line lysates (35ug/lane).This demonstrates the TROAP antibody detected the TROAP protein (arrow).

ADDITIONAL DETAILS

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

NCBI GI #	154800453
NCBI GeneID	10024
NCBI Accession #	NP_005471.3
UniProt Primary Accession #	Q12815
UniProt Related Accession #	Q12815
GenBank Nucleotide #	NP_005471.3
NCBI Official Full Name	tastin isoform 1
NCBI Official Synonym Full Names	trophinin associated protein
NCBI Official Symbol	TROAP
NCBI Official Synonym Symbols	TASTIN
UniProt Protein Name	Tastin
UniProt Synonym Protein Names	Trophinin-assisting protein; Trophinin-associated protein
Protein Family	Tastin
UniProt Gene Name	TROAP
UniProt Entry Name	TROAP_HUMAN
NCBI Protein Information	tastin

UniProt Comments for TROAP	TROAP: Could be involved with bystin and trophinin in a cell adhesion molecule complex that mediates an initial attachment of the blastocyst to uterine epithelial cells at the time of the embryo implantation. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Cell adhesion Chromosomal Location of Human Ortholog: 12q13.12 Cellular Component: cytoplasm Molecular Function: protein binding Biological Process: cell adhesion
Research Articles on TROAP	**1.** The present study suggests that TROAP plays an important role in promoting the proliferation, invasion, and metastasis of breast cancer.
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