# TROAP Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | TROAP, Polyclonal Antibody |
| **Full Product Name** | TROAP, NT (TROAP, Tastin, Trophinin-assisting protein, Trophinin-associated protein) (MaxLight 550) |
| **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 MaxLight550. |
| **Purity/Purification** | Purified by Protein A Affinity Chromatography. |
| **Preparation and Storage** | Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight550 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial 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** | MaxLight550 |
| **Note** | Preservative Free |
| **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<br>FLISA: 1:1,000<br>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** | MBS6358777 is an antibody targeting TROAP. Also known as TROAP, NT (TROAP, Tastin, Trophinin-assisting protein, Trophinin-associated protein) (MaxLight 550). Reactive in Human. Host: Rabbit. |

## ADDITIONAL DETAILS

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

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| **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.<br><br>Protein type: Cell adhesion<br><br>Chromosomal Location of Human Ortholog: 12q13.12<br><br>Cellular Component: cytoplasm<br><br>Molecular Function: protein binding<br><br>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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