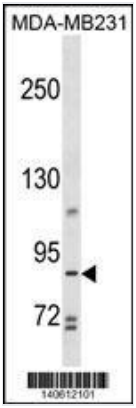
# TROAP Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

| | |
|---|---|
| **Product Name** | TROAP, Polyclonal Antibody |
| **Full Product Name** | TROAP, NT (TROAP, Tastin, Trophinin-assisting protein, Trophinin-associated protein) (PE) |
| **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 R-Phycoerythrin (PE). |
| **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: PE 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** | PE |
| **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<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** | MBS6358780 is an antibody targeting TROAP. Also known as TROAP, NT (TROAP, Tastin, Trophinin-assisting protein, Trophinin-associated protein) (PE). 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.<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. |
| **Precautions** | All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines. |
| **Disclaimer** | While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice.<br><br>It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information. |
| **Product Note** | Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details. |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures.

**MyBioSource** | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/troap/6358780