# FRAT1 Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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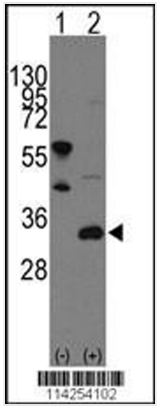
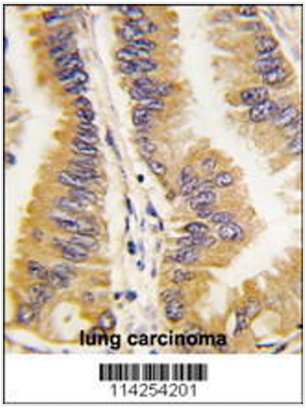
| **Product Name** | FRAT1, Polyclonal Antibody |
| **Full Product Name** | FRAT1, CT (Proto-oncogene FRAT1, Frequently Rearranged in Advanced T-cell Lymphomas, Frat-1) (MaxLight 405) |
| **Product Gene Name** | anti-FRAT1 antibody |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Host** | Rabbit |
| **Species Reactivity** | Human |
| **Form/Format** | Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight405. |
| **Purity/Purification** | Purified by Ammonium Sulfate Precipitation. |
| **Specificity** | Recognizes human FRAT1. |
| **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: MaxLight405 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap. |
| **Molecular Weight** | 29,093 Da |
| **OMIM** | 602503 |
| **3D Structure** | ModBase 3D Structure for Q92837 |
| **Immunogen** | Synthetic peptide selected from the C-terminal region of human FRAT1 (KLH). |
| **Conjugate** | MaxLight405 |
| **Note** | Preservative Free |
| **Product Categories/Family for anti-FRAT1 antibody** | Antibodies; Cell Markers |
| **Applications Tested/Suitable for anti-FRAT1 antibody** | Immunohistochemistry (IHC), FLISA, Western Blot (WB) |
| **Application Notes for anti-FRAT1 antibody** | IHC: 1:10-1:50<br>FLISA: 1:1,000<br>WB: 1:50-1:100<br>Applications are based on unconjugated antibody. |
| **Related Product Information for anti-FRAT1 antibody** | MBS6476868 is an antibody targeting FRAT1. Also known as FRAT1, CT (Proto-oncogene FRAT1, Frequently Rearranged in Advanced T-cell Lymphomas, Frat-1) (MaxLight 405). Reactive in Human. Host: Rabbit. |
| **Product References and Citations for anti-FRAT1 antibody** | 1. Hagen, T., J. Biol. Chem. 281(46), 35021-35029 (2006). 2. Wang, Y., Br. J. Cancer 94(5), 686-691 (2006). 3. Hino, S., J. Biol. Chem. 278(16), 14066-14073 (2003). |
| **Other Notes** | Small volumes of anti-FRAT1 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. |




**Western Blot (WB) of anti-FRAT1 antibody**
Western blot analysis of FRAT1 (arrow) using rabbit polyclonal FRAT1 Antibody (C-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the FRAT1 gene (Lane 2) (Origene Technologies).




**Immunohistochemistry (IHC) of anti-FRAT1 antibody**
Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with FRAT1 antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FRAT1. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 31317236 |
| **NCBI GeneID** | 10023 |
| **NCBI Accession #** | NP_005470 |
| **UniProt Primary Accession #** | Q92837 |
| **UniProt Secondary Accession #** | Q5JTI1; Q8NE74; Q8TDW9 |
| **UniProt Related Accession #** | Q92837 |
| **GenBank Nucleotide #** | NM_005479 |
| **NCBI Official Full Name** | proto-oncogene FRAT1 |
| **NCBI Official Synonym Full Names** | frequently rearranged in advanced T-cell lymphomas 1 |
| **NCBI Official Symbol** | FRAT1 |
| **UniProt Protein Name** | Proto-oncogene FRAT1 |
| **UniProt Synonym Protein Names** | Frequently rearranged in advanced T-cell lymphomas 1; FRAT-1 |
| **Protein Family** | Proto-oncogene |
| **UniProt Gene Name** | FRAT1 |
| **UniProt Synonym Gene Names** | FRAT-1 |
| **UniProt Entry Name** | FRAT1_HUMAN |
| **NCBI Protein Information** | proto-oncogene FRAT1; FRAT-1 |
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