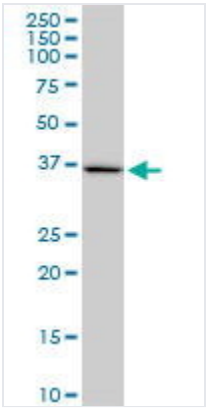
# SUGT1 Antibody – Mouse Monoclonal

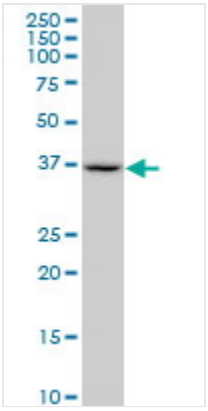
## PRODUCT OVERVIEW

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|---|---|
| **Product Name** | SUGT1, Monoclonal Antibody |
| **Full Product Name** | SUGT1 (SGT1, Suppressor of G2 allele of SKP1 (S. cerevisiae), SGT1) (PE) |
| **Product Gene Name** | anti-SUGT1 antibody |
| **Product Synonym Names** | SGT1; Suppressor of G2 allele of SKP1 (S. cerevisiae); SGT1 |
| **Clonality** | Monoclonal |
| **Isotype** | IgG3,k |
| **Clone Number** | 1A10 |
| **Host** | Mouse |
| **Form/Format** | Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE). |
| **Purity/Purification** | Purified |
| **Specificity** | Recognizes SUGT1. |
| **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 amo prior to immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, the original vial prior to removing the cap. |
| **Molecular Weight** | 37,805 Da |
| **OMIM** | 604098 |
| **3D Structure** | ModBase 3D Structure for Q9Y2Z0 |
| **Immunogen** | SUGT1 (NP_006695, 151aa-260aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD. |
| **Immunogen Sequence** | VVITLMIKNVQKNDVNVEFSEKELSALVKLPSGEDYNLKLELLHPIIPEQSTFKVLSTKIEIKLKKPEAVRWEKLEGQGDVPTPKQFVADVKNLYPSSSPYTR |
| **Conjugate** | PE |
| **Product Categories/Family for anti-SUGT1 antibody** | Antibodies; Proteins |
| **Applications Tested/Suitable for anti-SUGT1 antibody** | ELISA (EIA), Immunoprecipitation (IP), Western Blot (WB) |
| **Application Notes for anti-SUGT1 antibody** | Applications are based on unconjugated antibody. |
| **Related Product Information for anti-SUGT1 antibody** | This gene is homologous to the yeast gene SGT1, which encodes a protein involved in kinetochore function and required for the G1/S and G2/M transit Complementation studies suggest that the human protein has similar functions. Two transcript variants encoding different isoforms have been found for [provided by RefSeq] |

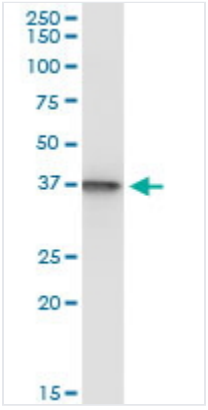
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|---|---|
| **Other Notes** | Small volumes of anti-SUGT1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If neces briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and add ice fee may apply. |
| **Searchable Terms for SUGT1 purchase** | MBS6185970 is an antibody targeting SUGT1. Also known as SUGT1 (SGT1, Suppressor of G2 allele of SKP1 (S. cerevisiae), SGT1) (PE). Host: Mou |



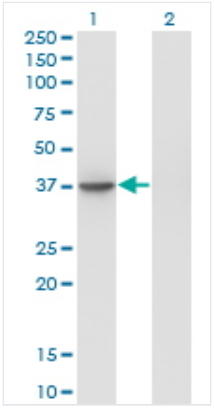

**Western Blot (WB) of anti-SUGT1 antibody**
SUGT1 monoclonal antibody (M04), clone 1A10. Western Blot analysis of SUGT1 expression in PC-12.




**Western Blot (WB) of anti-SUGT1 antibody**
SUGT1 monoclonal antibody (M04), clone 1A10. Western Blot analysis of SUGT1 expression in Raw 264.7.




**Immunoprecipitation (IP) of anti-SUGT1 antibody**
Immunoprecipitation of SUGT1 transfected lysate using anti-SUGT1 monoclonal antibody and Protein A Magnetic Bead (U0007), and immunoblotted with SUGT1 monoclonal antibody.




**Western Blot (WB) of anti-SUGT1 antibody**
Western Blot analysis of SUGT1 expression in transfected 293T cell line by SUGT1 monoclonal antibody (M04), clone 1A10.Lane 1: SUGT1 transfected lysate (Predicted MW: 37.8 KDa).Lane 2: Non-transfected lysate.

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SUGT1. It may not necessarily be applicable to this product.

| | |
|---|---|
| **NCBI GI #** | 5730041 |
| **NCBI GeneID** | 10910 |
| **NCBI Accession #** | NP_006695 |
| **UniProt Primary Accession #** | Q9Y2Z0 |
| **UniProt Secondary Accession #** | Q5JAK5; Q5TAM6; Q6VXY6; A2A303 |
| **UniProt Related Accession #** | Q9Y2Z0 |
| **GenBank Nucleotide #** | NM_006704 |
| **NCBI Official Full Name** | suppressor of G2 allele of SKP1 homolog isoform SGT1A |
| **NCBI Official Synonym Full Names** | SGT1, suppressor of G2 allele of SKP1 (S. cerevisiae) |

| | |
|---|---|
| **NCBI Official Symbol** | SUGT1 |
| **NCBI Official Synonym Symbols** | SGT1 |
| **UniProt Protein Name** | Suppressor of G2 allele of SKP1 homolog |
| **UniProt Synonym Protein Names** | Protein 40-6-3; Sgt1 |
| **UniProt Gene Name** | SUGT1 |
| **UniProt Entry Name** | SUGT1_HUMAN |
| **NCBI Protein Information** | suppressor of G2 allele of SKP1 homolog; SGT1B protein; putative 40-6-3 protein; suppressor of G2 allele of SKP1, S. cerevisiae, homolog of |
| **UniProt Comments for SUGT1** | SUGT1: a protein involved in kinetochore function and required for the G1/S and G2/M transitions. A subunit of both core kinetochore and SCF (Skp1-Cul1-F-box) ubiquitin ligase complexes. Two alternatively spliced isoforms have been reported.<br><br>Protein type: Ubiquitin conjugating system; Cell cycle regulation<br><br>Chromosomal Location of Human Ortholog: 13q14.3<br><br>Cellular Component: kinetochore; cytoplasm; cytosol; nucleus; ubiquitin ligase complex<br><br>Molecular Function: protein binding<br><br>Biological Process: mitosis; innate immune response |
| **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. |
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