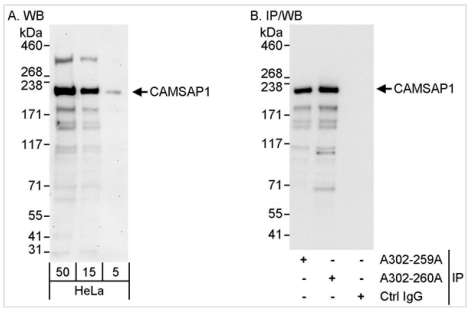
# CAMSAP1 Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | CAMSAP1, Polyclonal Antibody |
| **Full Product Name** | Rabbit anti-CAMSAP1 Antibody, Affinity Purified |
| **Product Gene Name** | anti-CAMSAP1 antibody |
| **Product Synonym Names** | calmodulin-regulated spectrin-associated protein 1; epididymis secretory sperm binding protein; Calmodulin-regulated spectrin-associated protein 1; calmodulin regulated spectrin associated protein 1 |
| **Clonality** | Polyclonal |
| **Host** | Rabbit |
| **Species Reactivity** | Human |
| **Form/Format** | Liquid. Whole IgG. Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide |
| **Purity/Purification** | Antigen Affinity Purified |
| **Concentration** | 200ug/ml (lot specific) |
| **Preparation and Storage** | Store at 2-8 degree C<br>Shelf Life: 1 year from date of receipt |
| **Molecular Weight** | 177,972 Da |
| **OMIM** | 613774 |
| **3D Structure** | ModBase 3D Structure for Q5T5Y3 |
| **Immunogen** | Between 1552 and C-terminus |
| **Conjugation** | Unconjugated |
| **Product Categories/Family for anti-CAMSAP1 antibody** | Primary Antibodies |
| **Applications Tested/Suitable for anti-CAMSAP1 antibody** | Western Blot (WB), Immunoprecipitation (IP) |
| **Application Notes for anti-CAMSAP1 antibody** | WB: 1:2000-1:10,000<br>IP: 6ug/mg lysate |
| **Related Product Information for anti-CAMSAP1 antibody** | CAMSAP1 (calmodulin regulated spectrin-associated protein 1) contains a CKK domain that binds microtubules. CAMSAP1 is implicated as a marker for the identification of astrocyte-lineage cells. |
| **Other Notes** | Small volumes of anti-CAMSAP1 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 CAMSAP1 purchase** | MBS3902666 is an antibody targeting CAMSAP1. Also known as Rabbit anti-CAMSAP1 Antibody, Affinity Purified. Reactive in Human. Host: Rabbit. |




**Western Blot (WB) of anti-CAMSAP1 antibody**
Detection of human CAMSAP1 by western blot and immunoprecipitation. Samples: Whole cell lysate (5, 15 and 50 ug for WB; 1 mg for IP, 20% of IP loaded) from HeLa cells. Antibodies: Affinity purified rabbit anti-CAMSAP1 antibody MBS3902666 used for WB at 0.04 ug/ml (A) and 0.4 ug/ml (B) and used for IP at 3 ug/mg lysate. CAMSAP1 was also immunoprecipitated by rabbit anti-CAMSAP1 antibody MBS3902665, which recognizes an upstream epitope. Detection: Chemiluminescence with exposure times of 3 minutes (A) and 3 seconds (B).

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CAMSAP1. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 186659512 |
| **NCBI GeneID** | 157922 |
| **NCBI Accession #** | NP_056262.3 |
| **UniProt Primary Accession #** | Q5T5Y3 |
| **UniProt Secondary Accession #** | Q70W33; Q8NCY0; Q96E80; Q96FM3; Q9UFJ5; A1L4L2; B2REB2; B2REB3 |
| **UniProt Related Accession #** | Q5T5Y3 |
| **GenBank Nucleotide #** | NM_015447.3 |
| **NCBI Official Full Name** | calmodulin-regulated spectrin-associated protein 1 |
| **NCBI Official Synonym Full Names** | calmodulin regulated spectrin-associated protein 1 |
| **NCBI Official Symbol** | CAMSAP1 |
| **NCBI Official Synonym Symbols** | PRO2405; bA100C15.1 |
| **UniProt Protein Name** | Calmodulin-regulated spectrin-associated protein 1 |
| **Protein Family** | Calmodulin-regulated spectrin-associated protein |
| **UniProt Gene Name** | CAMSAP1 |
| **UniProt Entry Name** | CAMP1_HUMAN |
| **NCBI Protein Information** | calmodulin-regulated spectrin-associated protein 1; bA100C15.1 (novel protein) |
| **UniProt Comments for CAMSAP1** | CAMSAP1: Plays a role in the regulation of cell morphology and cytoskeletal organization. Belongs to the CAMSAP1 family. 3 isoforms of the human protein are produced by alternative splicing.<br><br>Protein type: Unknown function<br><br>Chromosomal Location of Human Ortholog: 9q34.3<br><br>Cellular Component: microtubule; cytoplasm<br><br>Molecular Function: calmodulin binding; spectrin binding; microtubule binding<br><br>Biological Process: regulation of cell morphogenesis; cytoskeleton organization and biogenesis; neurite development |

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