

## Rabbit CAPS2 Polyclonal Antibody | anti-CAPS2 antibody

CAPS2 Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                              |
|-----------|--------|-------------------|-------------------------------------------|
| AAA304545 | Rabbit | Human, Mouse, Rat | Immunohistochemistry, Western Blot, ELISA |

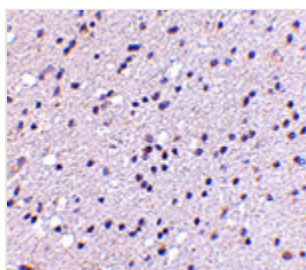
### PRODUCT SYNONYMS

CAPS2; Polyclonal Antibody; CAPS2 Antibody; Calcium-dependent secretion activator 2; CADPS2; anti-CAPS2 antibody

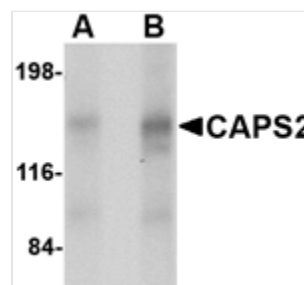
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                        |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                 |
| Reactivity                                      | Human, Mouse, Rat                                                                                                                                                                                      |
| Clonality                                       | Polyclonal                                                                                                                                                                                             |
| Specificity                                     | This CAPS2 antibody is predicted to be specific to CAPS2 and not recognize CAPS1.                                                                                                                      |
| Purity/Purification                             | Affinity chromatography purified via peptide column                                                                                                                                                    |
| Form/Format                                     | Supplied in PBS containing 0.02% sodium azide.                                                                                                                                                         |
| Sequence Length                                 | 1296                                                                                                                                                                                                   |
| Applicable Applications for anti-CAPS2 antibody | IHC (Immunohistochemistry), WB (Western Blot), ELISA                                                                                                                                                   |
| Immunogen Type                                  | Peptide                                                                                                                                                                                                |
| Immunogen Description                           | Raised against a 19 amino acid peptide near the center of the human CAPS2.                                                                                                                             |
| Target Name                                     | CAPS2                                                                                                                                                                                                  |
| Preparation and Storage                         | Can be stored at -20 degree C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures. |

### IMAGES


**IHC (Immunohistochemistry)**

Immunohistochemistry of CAPS2 in human brain with CAPS2 antibody at 5 ug/mL.


**WB (Western Blot)**

Western blot analysis of CAPS2 in human brain tissue lysate with CAPS2 antibody at (A) 0.5 and (B) 1 ug/mL.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CAPS2 antibody | CAPS2 and the related protein CAPS1 encode novel neural/endocrine-specific cytosolic and peripheral membrane proteins. Both are essential components of the synaptic vesicle priming machinery and are required for the Ca2+-regulated exocytosis of secretory vesicles; CAPS-deficient neurons contain no or very few fusion competent synaptic vesicles, causing a selective impairment of fast phasic transmitter release. Like CAPS1, numerous isoforms of CAPS2 are known to exist. These isoforms show distinct expression patterns in the brain. For example, CAPS2b showed high expression in the developing cerebellum. Furthermore, one version of CAPS2 mRNA that lacks exon 3 is detected in some autistic patients, suggesting that the differential expression pattern of CAPS2 is involved in neuronal development. |
| Product Categories/Family for anti-CAPS2 antibody   | Total protein Ab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

NCBI AND UNIPROT INFORMATION

|                                  |                                                   |
|----------------------------------|---------------------------------------------------|
| NCBI GI #                        | 148839294                                         |
| NCBI GeneID                      | 93664                                             |
| NCBI Accession #                 | NP_060424                                         |
| NCBI GenBank Nucleotide #        | NM_017954.10                                      |
| Molecular Weight                 | 142,883 Da                                        |
| NCBI Official Full Name          | calcium-dependent secretion activator 2 isoform a |
| NCBI Official Synonym Full Names | Ca++-dependent secretion activator 2              |
| NCBI Official Symbol             | CADPS2                                            |
| NCBI Protein Information         | calcium-dependent secretion activator 2           |
| UniProt Protein Name             | Calcium-dependent secretion activator 2           |
| UniProt Gene Name                | CADPS2                                            |
| UniProt Synonym Gene Names       | CAPS2; KIAA1591; CAPS-2                           |
| UniProt Entry Name               | CAPS2_HUMAN                                       |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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