
CAPS2 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 253861

Unit: 0.1 mg

Description:

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. This CAPS2 antibody is predicted to be specific to CAPS2 and not recognize CAPS1.

Isotype: Rabbit Ig

Applications: E, WB, IHC

Species Reactivity: H, M, R

Format: Each vial contains 0.1 ml IgG in PBS pH 7.4 with 0.02% sodium azide. Antibody was purified by immunogen affinity chromatography.

Alternate Names: CAPS2 ; Calcium-dependent secretion activator 2; CADPS2

Accession No.: NP_060424

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within human CAPS2.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:00-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.