

CAPS 1

Cat.No. 262 013; Polyclonal rabbit antibody, 50 µg specific antibody (lyophilized)

Data Sheet

Reconstitution/ Storage	50 µg specific antibody, lyophilized. Affinity purified with the immunogen. Rabbit serum albumin was added for stabilization. For reconstitution add 50 µl H ₂ O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use.
Applications	WB: 1 : 1000 (see remarks) IP: not tested yet ICC: 1 : 200 up to 1 : 500 IHC: not tested yet IHC-P/FFPE: not tested yet
Immunogen	Recombinant protein corresponding to AA 18 to 107 from mouse CAPS1 (UniProt Id: Q80TJ1)
Reactivity	Reacts with: rat (Q62717), mouse (Q80TJ1). Other species not tested yet.
Specificity	Specific for CAPS 1, no cross-reactivity to CAPS 2 (K.O. verified)
Remarks	WB: Antibody 1 is recommended for this application.

TO BE USED IN VITRO / FOR RESEARCH ONLY
NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS

The Ca²⁺-dependent activator protein for secretion (CAPS) regulates exocytosis of catecholamine- or neuropeptide-containing dense-core vesicles (DCVs) at secretion sites. Two different isoforms CAPS 1/CADPS 1 and **CAPS 2/CADPS 2** that are mainly expressed in brain have been identified in mammals. Both have been shown to be essential components of the synaptic vesicle priming machinery.

Selected References SYSY Antibodies

CAPS-1 promotes fusion competence of stationary dense-core vesicles in presynaptic terminals of mammalian neurons. Farina M, van de Bospoort R, He E, Persoon CM, van Weering JR, Broeke JH, Verhage M, Toonen RF eLife (2015) 4: . **ICC; KO verified**

Selected General References

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Tissue distribution of Ca²⁺-dependent activator protein for secretion family members CAPS1 and CAPS2 in mice.

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