

Doc 2b

Cat.No. 174 103; 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 IP: not tested yet ICC: not tested yet IHC: not tested yet IHC-P/FFPE: not tested yet
Immunogen	Recombinant protein corresponding to AA 38 to 119 from rat Doc2b (UniProt Id: P70610)
Reactivity	Reacts with: rat (P70610), mouse (P70169). Other species not tested yet.
Specificity	Specific for Doc 2b, no cross-reactivity to Doc 2a and Doc 2c.

TO BE USED IN VITRO / FOR RESEARCH ONLY

NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS

The **Doc 2** protein family comprises the three isoforms Doc 2a, b and c. All three proteins are composed of a short N-terminal Munc 13 binding region followed by two C-terminal calcium binding domains (C2A and C2B). Doc 2a and b are predominantly expressed in brain and colocalize with small secretory vesicles whereas Doc 2c is mainly expressed in the heart.

The exact mechanism how the Doc proteins are involved in Ca²⁺ induced exocytosis has yet to be determined.

Selected General References

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