

## Doc 2a/b

Cat.No. 174 203; 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 <sub>2</sub> O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use.
Applications	<b>WB:</b> 1 : 1000 <b>IP:</b> not tested yet <b>ICC:</b> 1 : 100 up to 1 : 500 <b>IHC:</b> 1 : 200 <b>IHC-P/FFPE:</b> not tested yet
Immunogen	Recombinant protein corresponding to AA 1 to 403 from rat Doc2a (UniProt Id: P70611)
Reactivity	Reacts with: rat (P70611, P70610), mouse (Q7TNF0, P70169). No signal: zebrafish. Other species not tested yet.
Specificity	Detects preferentially Doc 2a with some cross-reactivity to Doc 2b.

**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 Ca<sup>2+</sup> induced exocytosis has yet to be determined.

### Selected References SYSY Antibodies

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