

Homer 1b/c

Cat.No. 160 026; Polyclonal chicken antibody, 200 µl antibody (lyophilized)

Data Sheet

Reconstitution/ Storage	200 µl antibody, lyophilized. For reconstitution add 200 µl H ₂ O, then aliquot and store at -20°C until use.
Applications	WB: 1 : 500 up to 1 : 1000 (AP staining) IP: not tested yet ICC: 1 : 500 up to 1 : 1000 IHC: 1 : 500 up to 1 : 1000 IHC-P/FFPE: 1 : 500
Immunogen	Recombinant protein corresponding to AA 176 to 354 from human Homer1b/c (UniProt Id: Q86YM7-1)
Reactivity	Reacts with: mouse (Q9Z2Y3-3, Q9Z2Y3-2), rat (Q9Z214-2, Q9Z214-1), human (Q86YM7-1, Q86YM7-2). Other species not tested yet.
Specificity	Specific for homer 1b and 1c; no cross-reactivity to homer 1a.

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

Homer is a scaffolding protein of the post synaptic density (PSD) and enriched at excitatory synapses. The protein binds metabotropic glutamate receptors, TRPC1, proteins of the Shank family and others. By aggregating these proteins into clusters, homer was suggested to organize distinct signalling domains.

Three isoforms, **Homer 1**, 2 and 3 have been described. Each of these isoforms is subject to alternative splicing yielding the splice variants a, b, c, d.

Selected General References

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