

Neurobeachin

Cat.No. 194 004; Polyclonal Guinea pig antibody, 100 µl antiserum (lyophilized)

Data Sheet

Reconstitution/ Storage	100 µl antiserum, lyophilized. For reconstitution add 100 µl H ₂ O, then aliquot and store at -20°C until use.
Applications	WB: 1 : 1000 (AP staining) IP: not tested yet ICC: 1 : 1000 IHC: yes IHC-P/FFPE: not tested yet
Immunogen	Recombinant protein corresponding to AA 952 to 1320 from mouse Neurobeachin (UniProt Id: Q9EPN1)
Reactivity	Reacts with: rat, mouse (Q9EPN1). Other species not tested yet.
Specificity	Specific for neurobeachin.

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

Neurobeachin, also referred to as **NBEA**, is a large ~330 kDa brain-specific protein that belongs to the BEACH (**beige** and **Chediak-Higashi**) family. The protein has been shown to locate to tubulovesicular neuronal endomembranes near the trans-Golgi synapses, but also throughout the cell. Neurobeachin binds to protein kinase A and after adding GTPγS concentrates at Golgi-near membranes.

Selected General References

Neurobeachin is essential for neuromuscular synaptic transmission.

Su Y, Balice-Gordon RJ, Hess DM, Landsman DS, Minarcik J, Golden J, Hurwitz I, Liebhaber SA, Cooke NE
The Journal of neuroscience : the official journal of the Society for Neuroscience (2004) 24(14): 3627-36.

Neurobeachin: A protein kinase A-anchoring, beige/Chediak-higashi protein homolog implicated in neuronal membrane traffic.
Wang X, Herberg FW, Laue MM, Wullner C, Hu B, Petrasch-Parwez E, Kilimann MW
The Journal of neuroscience : the official journal of the Society for Neuroscience (2000) 20(23): 8551-65.