Catalog No. LF-MA0063

MONOCLONAL ANTIBODY

Anti-Amphiphysin (C14-23)

Background: Amphiphysins plays a key role in clathrinmediated endocytosis of synaptic vesicles (SVs). All members of the BAR family share a highly conserved N-terminal BAR domain and a C-terminal Src homology (SH3) domain. Two isoforms of amphiphysin have been identified and act in concert as a heterodimer. Amphiphysins interact via its carboxy-terminal SH3 domain with dynamin, synaptojanin and clathrin. These complexes are implicated in synaptic vesicle recycling at nerve terminal. Amphiphysins were also identified as the dominant autoantigen in paraneoplastic Stiff-Man Syndrome.

Immunogen : Recombinant human GST-fragment protein (320-696AA) purified from *E.coli*

Host : Mouse

Clone number : C14-23

Isotype : IgG1, k

Size : 100ul

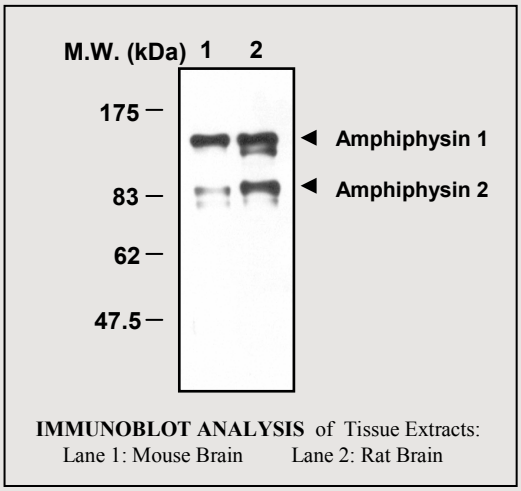
Composition : PBS containing 50% glycerol

Positive control : Mouse brain extract

Storage : Store for 1 year at -20 °C from date of shipment

Species cross reactivity

Human	Mouse	Rat
+	+	+



IMMUNOBLOT ANALYSIS of Tissue Extracts:
Lane 1: Mouse Brain Lane 2: Rat Brain

Applications :
Western Blotting (1:2000)
Immunoprecipitation (1-2ul/400ul lysates)
Immunohistochemistry (1:100)
Immunocytochemistry (1:100)

Background Reference :

1) Zhang, B. and Zelhof, A.C. (2002) Traffic, 3: 452-460
2) Wigge, P. and McMahon, H.T. (1998) Trends Neurosci. 21, 339-344
3) Jin, Y. et al (2001) Exp.Mol.Med. 33(2), 69-75

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