Product Information Sheet

Monoclonal Anti-BIN1 (Sepharose Bead Conjugate)

Catalogue No. MA1005-S

Lot No. 08A12

Clone: BN-1

Ig type: mouse IgG2b

Size: 200µl

Specificity

Human, mouse, rat.

No cross reactivity with other proteins.

Recommended application

Immunoprecipitation(IP)

Immunogen

Recombinant polypeptide containing amino acids 189-398 of human Bin1.

Purification

Purified by the goat anti-mouse IgG affinity chromatography.

Formulation

50% slurry in PBS pH 7.2 with 0.01mg NaN_3a_3 preservative.

Storage

Store at 4˚C for frequent use.

Description:

This Antagene antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated sepharose beads. It is useful for immunoprecipitation assays

BACKGROUND

BIN1 (AMPH2) is a novel human gene product with features of a tumor suppressor protein. BIN1 gene to chromosome 2q14. Loss of BIN1 expression appears to be a frequent aberration in human hepatocellular carcinomas . mutations in BIN1 cause centronuclear myopathy by interfering with remodeling of T tubules and/or endocytic membranes, and that the functional interaction between BIN1 and DNM2 is necessary for normal muscle function and positioning of nuclei.

REFERENCE

1 Sakamuro, D.; Elliott, K. J.; Wechsler-Reya, R.; Prendergast, G. C. : BIN1 is a novel MYC-interacting protein with features of a tumour suppressor. *Nature Genet.* 14: 69-77, 1996.

2 Negorev, D.; Riethman, H.; Wechsler-Reya, R.; Sakamuro, D.; Prendergast, G. C.; Simon, D. : The Bin1 gene localizes to human chromosome 2q14 by PCR analysis of somatic cell hybrids and fluorescence in situ hybridization. *Genomics* 33: 329-331, 1996.

3 Nicot, A.-S.; Toussaiant, A.; Tosch, V.; Kretz, C.; Wallgren-Petterson, C.; Iwarsson, E.; Kingston, H.; Garnier, J.-M.; Biancalana, V.; Oldfors, A.; Mandel, J.-L.; Laporte, J. : Mutations in amphiphysin 2 (BIN1) disrupt interaction with dynamin 2 and cause autosomal recessive centronuclear myopathy. (Letter) *Nature Genet.* 39: 1134-1139, 2007.

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