
anti-Bin 1

Cat #: HM1011
Mouse monoclonal IgG
0.2 µg/µl, store at 4 °C

For research use only

BACKGROUND

Bin 1 is highly homologous to Amphiphysin 2 protein. It is highly expressed in skeletal muscle. Bin 1 interacts with the transcriptional factors c-Myc and MyoD, potentially functioning as a tumor suppressor. Bin 1 also plays an important role in cardiac muscle development.

SPECIFICITY

This antibody specifically recognizes Bin 1 as well as amphiphysin II of human, mouse and rat origin.

The antibody can be used in Western blotting, immunoprecipitation and immunostaining.

IMMUNOGEN

A synthetic peptide derived from N-terminus of human Bin 1 protein.

STORAGE

This antibody is stable for 12 months when stored at 2-8°C.

REFERENCES

1. Sakamuro,D., Elliott,K.J., Wechsler-Reya,R. and Prendergast,G.C. (1996) BIN1 is a novel MYC-interacting protein with features of a tumour suppressor. *Nat. Genet.* 14, 69-77.
2. Tsutsui,K., Maeda,Y., Tsutsui,K., Seki,S. and Tokunaga,A. (1997) cDNA cloning of a novel amphiphysin isoform and tissue-specific expression of its multiple splice variants. *Biochem. Biophys. Res. Commun.* 236, 178-183.
3. Wechsler-Reya, R., Elliott, K., Herlyn, M., and Prendergast, G.C. 1997. The putative tumor suppressor BIN1 is a short-lived nuclear phosphoprotein, the localization of which is altered in malignant cells. *Cancer Res.* 57: 3258-3263.
4. Elliott,K., Ge,K., Du,W. and Prendergast,G.C. (2000) The c-Myc-interacting adaptor protein Bin1 activates a caspase-independent cell death program. *Oncogene* 19, 4669-4684.

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