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#2164 Store at -20C

EB-1 (1A11/4) Mouse mAb

For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: W, IP	Reactivity: H Mk	Sensitivity: Endogenous	MW (kDa): 30	Source/Isotype: Mouse IgG2b	UniProt ID: #Q15691	Entrez-Gene Id: 22919
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Product Usage Information

Application

Western Blotting
Immunoprecipitation

Dilution

1:1000
1:100

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.

Specificity/Sensitivity

EB-1 (1A11/4) Mouse mAb detects endogenous levels of EB-1.

Source / Purification

Monoclonal antibody is produced by immunizing CD-1 mice with a recombinant human EB-1 protein.

Background

EB1 (end-binding protein 1) is a microtubule associated protein (1). EB1 localizes to the growing ends of microtubules, the centrosome and the mitotic spindle (2-4). EB1 is also found to associate with the adenomatous polyposis coli (APC) protein (5). Recent studies also suggest that EB1 plays a role in microtubule-based transport (2).

Background References

1. Tirnauer, J.S. and Bierer, B.E. (2000) *J. Cell Biol.* 149, 761-766.
2. Vaughan, K.T. (2005) *J. Cell Biol.* 171, 197-200.
3. Berrueta, L. et al. (1998) *Proc. Natl. Acad. Sci. USA* 95, 10596-10601.
4. Morrison, E.E. et al. (1998) *Oncogene* 17, 3471-3477.
5. Su, L.K. et al. (1995) *Cancer Res.* 55, 2972-2977.

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

W: Western Blotting **IP:** Immunoprecipitation

Cross-Reactivity Key

H: Human **Mk:** Monkey

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