

ARG10595
anti-EB1 antibody [1A11/4]Package: 100 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [1A11/4] recognizes EB1
Tested Reactivity	Hu, Dog, NHuPrm
Tested Application	ICC/IF, IHC-P, IP, WB
Specificity	This antibody recognises a defined epitope which is distinct from the major protein-protein interaction sites. 1A11/4 does not bind EB3 or RP1.
Host	Mouse
Clonality	Monoclonal
Clone	1A11/4
Isotype	IgG1
Target Name	EB1
Species	Human
Immunogen	Recombinant Human EB1 GST-fusion protein (lack the final 50 aa of EB1)
Conjugation	Un-conjugated
Alternate Names	End-binding protein 1; Microtubule-associated protein RP/EB family member 1; EB1; APC-binding protein EB1

Application Instructions

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
------------------	--

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS and 0.02% Sodium azide
Preservative	0.02% Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 22919 Human
----------------	-------------------------------------

Gene Symbol	MAPRE1
Gene Full Name	microtubule-associated protein, RP/EB family, member 1
Background	The protein encoded by this gene was first identified by its binding to the APC protein which is often mutated in familial and sporadic forms of colorectal cancer. This protein localizes to microtubules, especially the growing ends, in interphase cells. During mitosis, the protein is associated with the centrosomes and spindle microtubules. The protein also associates with components of the dynactin complex and the intermediate chain of cytoplasmic dynein. Because of these associations, it is thought that this protein is involved in the regulation of microtubule structures and chromosome stability. This gene is a member of the RP/EB family. [provided by RefSeq, Jul 2008]
Function	Binds to the plus end of microtubules and regulates the dynamics of the microtubule cytoskeleton. Promotes cytoplasmic microtubule nucleation and elongation. May be involved in spindle function by stabilizing microtubules and anchoring them at centrosomes. May play a role in cell migration. [UniProt]
Calculated Mw	30 kDa