

## ARG45065 anti-EB1 / EB2 / EB3 antibody [KT65]

Package: 50 µl  
Store at: -20°C

### Summary

Product Description	Rat Monoclonal antibody [KT65] recognizes EB1 / EB2 / EB3
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, WB
Host	Rat
Clonality	Monoclonal
Clone	KT65
Isotype	IgG2a
Target Name	EB1 / EB2 / EB3
Species	Mouse
Immunogen	[KT65] was generated from a GST fusion protein containing amino acids from the C-terminal region mouse EB1. This sequence is highly conserved in human and rat EB1.
Conjugation	Un-conjugated
Alternate Names	MAPRE1; Microtubule Associated Protein RP/EB Family Member 1; EB1; Microtubule-Associated Protein RP/EB Family Member 1; Adenomatous Polyposis Coli-Binding Protein EB1; APC-Binding Protein EB1; End-Binding Protein 1

### Application Instructions

Application table	Application	Dilution
	ICC/IF	1:100
	WB	1:1000

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

### Properties

Form	Liquid
Purification	Protein G Purified.
Buffer	PBS, 0.05% Na <sub>3</sub>
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

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Gene Symbol	MAPRE1/2/3
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	Functions downstream of Rho GTPases and DIAPH1 in stable microtubule formation. May play a role in cell migration. [Uniprot]
Calculated Mw	30 kDa
PTM	Acetylation, Phosphoprotein. [Uniprot]
Cellular Localization	Cytoplasm, Cytoskeleton, Golgi apparatus, Microtubule. [Uniprot]