

# EB3 Antibody

Rabbit mAb

Catalog # AP91706

## Product Information

<b>Application</b>	WB, IHC, IF, FC, ICC, IHF
<b>Primary Accession</b>	<a href="#">Q9UPY8</a>
<b>Reactivity</b>	Rat, Human, Mouse
<b>Clonality</b>	Monoclonal
<b>Other Names</b>	EB3; EBF3; MAPRE3; RP/EB Family; RP3;
<b>Isotype</b>	Rabbit IgG
<b>Host</b>	Rabbit
<b>Calculated MW</b>	31982

## Additional Information

<b>Dilution</b>	WB 1:1000~1:5000 IHC 1:50~1:200 ICC/IF 1:50~1:200 FC 1:50
<b>Purification</b>	Affinity-chromatography
<b>Immunogen</b>	A synthesized peptide derived from human EB3
<b>Description</b>	May be involved in microtubule polymerization, and spindle function by stabilizing microtubules and anchoring them at centrosomes. May play a role in cell migration.
<b>Storage Condition and Buffer</b>	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

## Protein Information

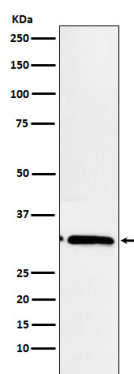
<b>Name</b>	MAPRE3
<b>Function</b>	Plus-end tracking protein (+TIP) that binds to the plus-end of microtubules and regulates the dynamics of the microtubule cytoskeleton (PubMed: <a href="#">19255245</a> , PubMed: <a href="#">28814570</a> ). Promotes microtubule growth (PubMed: <a href="#">19255245</a> , PubMed: <a href="#">28814570</a> ). May be involved in spindle function by stabilizing microtubules and anchoring them at centrosomes (PubMed: <a href="#">19255245</a> , PubMed: <a href="#">28814570</a> ). Also acts as a regulator of minus-end microtubule organization: interacts with the complex formed by AKAP9 and PDE4DIP, leading to recruit CAMSAP2 to the Golgi apparatus, thereby tethering non-centrosomal minus-end microtubules to the Golgi, an important step for polarized cell movement (PubMed: <a href="#">28814570</a> ). Promotes elongation of CAMSAP2-decorated microtubule stretches on the minus-end of microtubules (PubMed: <a href="#">28814570</a> ).
<b>Cellular Location</b>	Cytoplasm, cytoskeleton. Note=Associated with the microtubule network. Detected at the plus end of microtubules

**Tissue Location**

Predominantly expressed in brain and muscle.

**Images**

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Western blot analysis of EB3 expression in Rat muscle cell lysate.

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