

Anti-EB2 Antibody
Rabbit polyclonal antibody to EB2
Catalog # AP60160**Specification**

Anti-EB2 Antibody - Product Information

Application	WB
Primary Accession	Q15555
Other Accession	Q8R001
Reactivity	Human, Mouse, Rat, Monkey, Chicken, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	37031

Anti-EB2 Antibody - Additional Information**Gene ID** 10982**Other Names**

RP1; Microtubule-associated protein RP/EB family member 2; APC-binding protein EB2; End-binding protein 2; EB2

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human EB2. The exact sequence is proprietary.

Dilution

WB~~WB (1/500 - 1/1000)

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Anti-EB2 Antibody - Protein Information**Name** MAPRE2**Synonyms** RP1**Function**Adapter protein that is involved in microtubule polymerization, and spindle function by stabilizing microtubules and anchoring them at centrosomes. Therefore, ensures mitotic progression and genome stability (PubMed: <http://www.uniprot.org/citations/27030108> target="_blank">27030108). Acts as a central regulator of microtubule reorganization in

apico-basal epithelial differentiation (By similarity). Plays a role during oocyte meiosis by regulating microtubule dynamics (By similarity). Participates in neurite growth by interacting with plexin B3/PLXNB3 and microtubule reorganization during apico-basal epithelial differentiation (PubMed:22373814). Also plays an essential role for cell migration and focal adhesion dynamics. Mechanistically, recruits HAX1 to microtubules in order to regulate focal adhesion dynamics (PubMed:26527684).

Cellular Location

Cytoplasm, cytoskeleton. Note=Associated with the microtubule network. Accumulates at the plus end of microtubules

Tissue Location

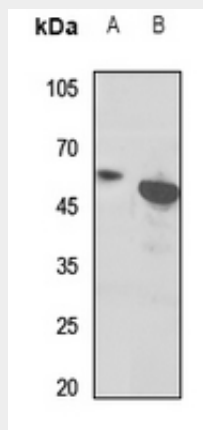
Expressed in different tumor cell lines. Up- regulated in activated B- and T-lymphocytes

Anti-EB2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-EB2 Antibody - Images



Western blot analysis of EB2 expression in mouse heart (A), rat heart (B) whole cell lysates.

Anti-EB2 Antibody - Background

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