

Datasheet for ABIN7600065
anti-MAPRE1 antibody (AA 145-268)



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Overview

Quantity:	100 µg
Target:	MAPRE1
Binding Specificity:	AA 145-268
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAPRE1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-EB1/MAPRE1 Antibody Picoband®
Immunogen:	E.coli-derived human EB1/MAPRE1 recombinant protein (Position: A145-Y268).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-EB1/MAPRE1 Antibody Picoband® (ABIN7600065). Tested in ELISA, WB, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	MAPRE1
Alternative Name:	MAPRE1 (MAPRE1 Products)
Background:	Synonyms: Deleted in azoospermia-like, DAZ homolog, DAZ-like autosomal, Deleted in azoospermia-like 1, SPGY-like-autosomal, DAZL, DAZH, DAZL1, DAZLA, SPGYLA Background: Microtubule-associated protein RP/EB family member 1 is a protein that in humans is encoded by the MAPRE1 gene. 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.
Molecular Weight:	35 kDa
Gene ID:	22919
UniProt:	Q15691
Pathways:	M Phase

Application Details

Application Notes:	Western blot, 0.1-0.25 µg/mL, Human, Mouse, Rat Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Berrueta, L., Kraeft, S.-K., Tirnauer, J. S., Schuyler, S. C., Chen, L. B., Hill, D. E., Pellman, D., Bierer, B. E. The adenomatous polyposis coli-binding protein EB1 is associated with cytoplasmic and spindle microtubules. Proc. Nat. Acad. Sci. 95: 10596-10601, 1998. 2. Berrueta, L., Tirnauer, J. S., Schuyler, S. C., Pellman, D., Bierer, B. E. The APC-associated protein EB1 associates with components of the dynactin complex and cytoplasmic dynein intermediate chain. Curr. Biol. 9: 425-428, 1999. 3. Jiang, K., Wang, J., Liu, J., Ward, T., Wordeman, L., Davidson, A., Wang, F., Yao, X. TIP150 interacts with and targets MCAK at the microtubule plus ends. EMBO Rep. 10: 857-865, 2009.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C, -20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.