www.antibodiesinc.com
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530-758-4400

PRODUCT DATASHEET

Anti-EB3 Antibody

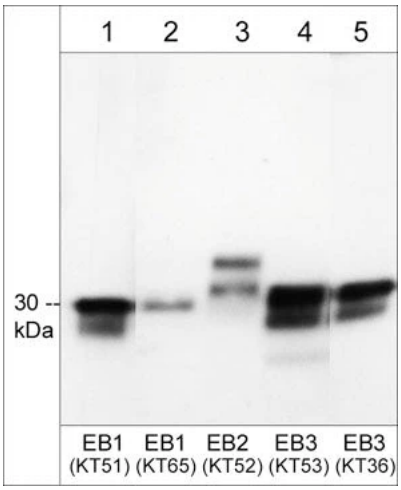
phosphosolutions ANTIBODIES THAT WORK

Product Details

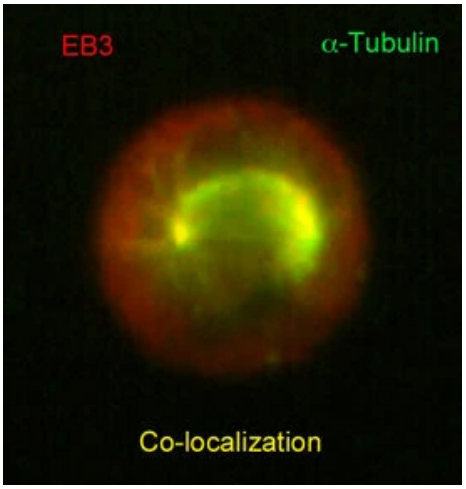
Available Variants	100 µL (SKU:EM5091)
Conjugate	Unconjugated
Isotype	IgG2a
Clone	KT36
Gene Name	MAPRE3
Host Species	Rat
Format	Protein G Purified
Physical State	Liquid
Buffer	PBS + 0.05% NaN3
Applications	ELISA, ICC, WB
Dilution Ranges	WB: 1:1000 ICC: 1:100
Species Reactivity	Human, Mouse, Rat
Immunogen	Clone KT36 was generated from a GST fusion protein containing human EB3. This sequence is highly conserved in rat and mouse EB3.
Specificity	The antibody detects a 32 kDa* prtoein corresponding to the molecular mass of EB3 on SDS-PAGE immunoblots of human HeLa cells and mouse brain tissue. The antibody also detects EB3 by immunocytochemistry in HeLa and A431 cells.
Molecular Weight	32
Quality Control	Western blots performed on each lot.
Storage	Recommended that the undiluted antibody be aliquoted into smaller working volumes (10-30 uL/vial depending on usage) upon arrival and stored long term

	at -20° C or -80° C, while keeping a working aliquot stored at 4° C for short term. Avoid freeze/thaw cycles. Stable for at least 1 year.
UniProt ID	Q9UPY8 UniProt Summary: Plus-end tracking protein (+TIP) that binds to the plus-end of microtubules and regulates the dynamics of the microtubule cytoskeleton. Promotes microtubule growth. May be involved in spindle function by stabilizing microtubules and anchoring them at centrosomes. 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. Promotes elongation of CAMSAP2-decorated microtubule stretches on the minus-end of microtubules.
Country of Origin	United States
Shipping	Blue Ice
Expiration	After date of receipt, stable for at least 1 year at -20°C.
Usage Statement	For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website.
NCBI Gene ID	22924

Product Images



Western blot of EB proteins in mouse brain (lanes 1-5). The blot was probed with rat monoclonals EM5041 anti-EB1 (lane 1), EM5061 anti-EB1/2/3 (lane 2), EM5081 anti-EB2 (lane 3), EM5101 anti-EB3 (lane 4), and EM5091 anti-EB3 (lane 5). Then the antibodies were detected using goat anti-Rat IgG Light Chain specific:HRP (RS3121).



Immunocytochemical labeling of EB3 in paraformaldehyde-fixed and NP40-permeabilized A431 cells. The cells were dual labeled with mouse monoclonal anti-α-Tubulin (TM4111) (green) and rat monoclonal anti-EB3 (EM5091) (red). The antibodies were detected using either goat anti-mouse:DyLight® 488 (MS3011) or goat anti-Rat:DyLight® 594 (RS3111).