

EB1 Monoclonal Antibody (KT51)

Catalog NumberMA1-72531

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Hamster, Human, Mouse, Non-human primate
Host/Isotope	Rat / IgG2a	Published species	Not Applicable
Class	Monoclonal	Tested Applications	
Type	Antibody	Immunoprecipitation (IP)	Dilution *2 µg/mL
Clone	KT51	Western Blot (WB)	1:500-1:10,000
Immunogen	The C-terminal part of mouse EB1 (amino acids 125-268)	Immunocytochemistry (ICC/IF)	1:200-1:1,000
Conjugate	Unconjugated	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Form	Liquid		
Concentration	1 mg/mL		
Purification	Protein G		
Storage buffer	PBS		
Contains	0.09% sodium azide		
Storage Conditions	Maintain refrigerated at 2-8°C for up to 1 month. For long term storage store at -20°C		

Product specific information

This antibody will not cross-react with mouse EB2 or human EB3.

Background/Target Information

EB1 family proteins are evolutionarily conserved proteins that bind microtubule plus-ends and centrosomes and regulate the dynamics and organization of microtubules. The MAPRE genes encode the EB1 family proteins. The human MAPRE genes MAPRE1, MAPRE2, and MAPRE3 code for EB1, RP1, and EBF3 proteins, respectively. EB1 family members appear to be expressed ubiquitously. The EB1 (MAPRE1) gene, at 20q11. 2, is fused to MLL in an adult patient with pro-B acute lymphoblastic leukemia. EB1 is a microtubule-associated protein that interacts with the colorectal adenomatous polyposis coli tumor-suppressor protein and plays important roles in regulating microtubule dynamics, cell polarity, and chromosome stability.

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization.

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization.

Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample.

NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON-INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (i) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (ii) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (iii) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (iv) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.