

EML1 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP55634

Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	O00423
Reactivity	Rat, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	89861

Additional Information

Gene ID	2009
Other Names	Echinoderm microtubule-associated protein-like 1, EMAP-1, HuEMAP-1, EML1, EMAP1, EMAPL, EMAPL1
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	EML1
Synonyms	EMAP1, EMAPL, EMAPL1
Function	Modulates the assembly and organization of the microtubule cytoskeleton, and probably plays a role in regulating the orientation of the mitotic spindle and the orientation of the plane of cell division. Required for normal proliferation of neuronal progenitor cells in the developing brain and for normal brain development. Does not affect neuron migration per se.
Cellular Location	Cytoplasm {ECO:0000250 UniProtKB:Q05BC3}. Cytoplasm, perinuclear region {ECO:0000250 UniProtKB:Q05BC3} Cytoplasm, cytoskeleton. Note=Detected in cytoplasmic punctae. Co- localizes with microtubules (PubMed:24859200, PubMed:25740311) Enriched in perinuclear regions during interphase and in the region of spindle microtubules during metaphase. Enriched at the midzone during telophase and cytokinesis. Detected at growth cones in neurons (By similarity). {ECO:0000250 UniProtKB:Q05BC3,

ECO:0000269|PubMed:24859200, ECO:0000269|PubMed:25740311}

Tissue Location

Ubiquitous; expressed in most tissues with the exception of thymus and peripheral blood lymphocytes

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.