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EML2 Rabbit pAb

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Catalog # AP57750

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	O95834
Predicted	Rat, Dog, Human, Mouse, Rabbit, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	70679
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human EML2
Epitope Specificity	561-649/649
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm; cytoskeleton.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Microtubules are components of the actin cytoskeleton that play crucial roles in cell morphogenesis, cell motility, spindle formation and chromosome movements. Echinoderm microtubule-associated (EML) proteins function to modify the assembly dynamics of microtubules. EML2 (echinoderm microtubule associated protein like 2), also known as ELP70, EMAP2 or EMAPL2, is a cytoplasmic protein that acts to elongate microtubules, while at the same time making them more dynamic. Like other members of the EML family, EML2 contains a hydrophobic ELP (HELP) domain and a large WD repeat domain, both of which allow EML2 to participate in cytoskeleton assembly.

Additional Information

Gene ID	24139
Other Names	Echinoderm microtubule-associated protein-like 2, EMAP-2, HuEMAP-2, EML2, EMAP2, EMAPL2
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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	EML2
Synonyms	EMAP2, EMAPL2
Function	Tubulin binding protein that inhibits microtubule nucleation and growth, resulting in shorter microtubules.
Cellular Location	Cytoplasm, cytoskeleton. Cytoplasm, cytoskeleton, spindle. Note=Colocalizes with the microtubule cytoskeleton. Colocalizes with the mitotic spindle
Tissue Location	Ubiquitous..

Background

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