

EML2 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP57750

Product Information

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| Application | IHC-P, IHC-F, IF, ICC, E |
| Primary Accession | O95834 |
| Reactivity | Rat, Dog, Bovine |
| 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. |
| SIMILARITY | Belongs to the WD repeat EMAP family. Contains 11 WD repeats. |
| 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

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| Gene ID | 24139 |
| Other Names | Echinoderm microtubule-associated protein-like 2, EMAP-2, HuEMAP-2, EML2, EMAP2, EMAPL2 |
| Target/Specificity | Ubiquitous. |
| Dilution | 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 |

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| 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. |
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Protein Information

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| 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.. |

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