

**EML2 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP57750****Specification**

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**EML2 Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	<a href="#">O95834</a>
Reactivity	Rat, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	71 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human EML2
Epitope Specificity	561-649/649
Isotype	IgG
<b>Purity</b>	
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.

**EML2 Polyclonal Antibody - Additional Information****Gene ID** 24139**Other Names**

Echinoderm microtubule-associated protein-like 2, EMAP-2, HuEMAP-2, EML2, EMAP2, EMAPL2

**Target/Specificity**

Ubiquitous.

**Dilution**

<span class = "dilution\_IHC-P">IHC-P~~N/A</span><br \><span class = "dilution\_IHC-F">IHC-F~~N/A</span><br \><span class = "dilution\_IF">IF~~1:50~200</span><br \><span class = "dilution\_ICC">ICC~~N/A</span><br \><span class = "dilution\_E">E~~N/A</span>

**Format**

0.01M TBS(pH7.4), 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.

**EML2 Polyclonal Antibody - 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..

**EML2 Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**EML2 Polyclonal Antibody - Images**