



## Rabbit Anti-EML2 antibody

SL20006R

<b>Product Name:</b>	EML2
<b>Chinese Name:</b>	EML2蛋白抗体
<b>Alias:</b>	1600029N02Rik; Echinoderm microtubule associated protein like 2; Echinoderm microtubule-associated protein-like 2; Echinoderm MT associated protein like protein 70; ELP70; EMAL2_HUMAN; EMAP-2; EMAP2; EML2; HuEMAP-2.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Cow,Rabbit,Sheep,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	71kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human EML2:561-649/649
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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.

**Function:**

May modify the assembly dynamics of microtubules, such that microtubules are slightly longer, but more dynamic.

**Subcellular Location:**

Cytoplasm; cytoskeleton.

**Tissue Specificity:**

Ubiquitous.

**Similarity:**

Belongs to the WD repeat EMAP family.  
Contains 11 WD repeats.

**SWISS:**

O95834

**Gene ID:**

24139

**Database links:**

[Entrez Gene: 24139](#) Human

[Entrez Gene: 72205](#) Mouse

[Entrez Gene: 192360](#) Rat

[SwissProt: O95834](#) Human

[SwissProt: Q7TNG5](#) Mouse

[SwissProt: Q6P6T4](#) Rat

[Unigene: 24178](#) Human

[Unigene: 154121](#) Mouse

[Unigene: 76362](#) Rat

**Important Note:**

	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
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