

#12548 Store at -20°C

EML4 (D5V6M) Rabbit mAb**Cell Signaling**
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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
WB, IP, IHC-P	H M R Mk	Endogenous	120	Rabbit IgG	#Q9HC35	27436

Product Usage Information**Application**

Western Blotting
Immunoprecipitation
Immunohistochemistry (Paraffin)

Dilution

1:1000
1:100
1:2000

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.

Specificity / Sensitivity

EML4 (D5V6M) Rabbit mAb recognizes endogenous levels of total EML4 protein.

Source / Purification

Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Asn165 of human EML4 protein.

Background

Echinoderm microtubule-associated protein-like 4 (EML4) is a 120 kDa microtubule-associated WD-repeat protein of the echinoderm microtubule-associated protein family (1). The expression of EML4 is necessary for correct intracellular microtubule network formation (2). EML4 protein expression is upregulated during mitosis and downregulated during the remaining cell cycle (1). During mitosis, EML4 is heavily phosphorylated and is associated with the mitotic spindle (2). The amino-terminal segment of EML4 is essential for microtubule association and function.

Background References

1. Heidebrecht, H.J. et al. (2000) *Genomics* 68, 348-350.
2. Pollmann, M. et al. (2006) *Exp. Cell Res.* 312, 3241-3251.

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

WB: Western Blotting **IP:** Immunoprecipitation **IHC-P:** Immunohistochemistry (Paraffin)

Cross-Reactivity Key

H: human **M:** mouse **R:** rat **Hm:** hamster **Mk:** monkey **Vir:** virus **Mi:** mink **C:** chicken **Dm:** D. melanogaster
X: Xenopus **Z:** zebrafish **B:** bovine **Dg:** dog **Pg:** pig **Sc:** S. cerevisiae **Ce:** C. elegans **Hr:** horse
GP: Guinea Pig **Rab:** rabbit **All:** all species expected

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