

bs-9731R**[Primary Antibody]****EML3 Rabbit pAb**

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— DATASHEET —

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| Host: Rabbit | Isotype: IgG | Applications: ELISA (1:5000-10000) |
| Clonality: Polyclonal | | Reactivity: (predicted: Human, Mouse, Rat, Rabbit) |
| GeneID: 256364 | SWISS: Q32P44 | |
| Target: EML3 | | Predicted MW.: 95 kDa |
| Immunogen: KLH conjugated synthetic peptide derived from human EML3: 451-550/896. | | Subcellular Location: Cytoplasm |
| Purification: affinity purified by Protein A | | |
| Concentration: 1mg/ml | | |
| Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. | | |
| Background: At the onset of mitosis, assembly of the mitotic spindle requires a global change in the activity of microtubule-binding proteins. EML3 (Echinoderm microtubule-associated protein-like 3) is a 896 amino acid protein that likely modifies microtubule dynamics by making them longer. Through colocalization with spindle microtubules during mitosis, EML3 plays a role in correct metaphase chromosome alignment. EML3 contains a nuclear localization signal and a microtubule-binding domain. The gene encoding EML3 maps to human chromosome 11, which houses over 1,400 genes and comprises nearly 4% of the human genome. Jervell and Lange-Nielsen syndrome, Jacobsen syndrome, Niemann-Pick disease, hereditary angioedema and Smith-Lemli-Opitz syndrome are associated with defects in genes that maps to chromosome 11. | | |