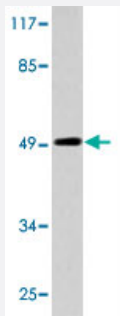


# EPB49 polyclonal antibody

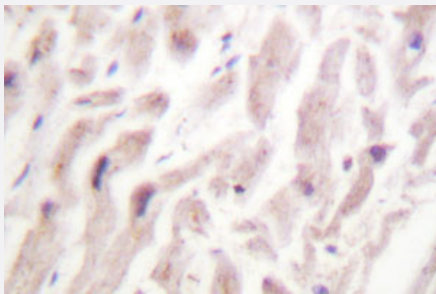
Catalog # PAB27123      Size 100 uL

## Applications



### Western Blot (Cell lysate)

Western blot analysis of 293 cell lysate with EPB49 polyclonal antibody (Cat # PAB27123).



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human heart tissue using EPB49 polyclonal antibody (Cat # PAB27123).

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against synthetic peptide of EPB49.
<b>Immunogen</b>	A synthetic peptide corresponding to human EPB49.
<b>Host</b>	Rabbit
<b>Theoretical MW (kDa)</b>	50
<b>Reactivity</b>	Human, Mouse
<b>Specificity</b>	EPB49 polyclonal antibody detects endogenous levels of EPB49 protein.
<b>Form</b>	Liquid

<b>Purification</b>	Antigen affinity purification
<b>Concentration</b>	1 mg/mL
<b>Recommend Usage</b>	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS, pH 7.2 (0.05% sodium azide)
<b>Storage Instruction</b>	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Cell lysate)

Western blot analysis of 293 cell lysate with EPB49 polyclonal antibody (Cat # PAB27123).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human heart tissue using EPB49 polyclonal antibody (Cat # PAB27123).

- Immunofluorescence

## Gene Info — EPB49

<b>Entrez GeneID</b>	<a href="#">2039</a>
<b>Protein Accession#</b>	<a href="#">Q08495</a>
<b>Gene Name</b>	EPB49
<b>Gene Alias</b>	DMT, FLJ78462, FLJ98848
<b>Gene Description</b>	erythrocyte membrane protein band 4.9 (dematin)
<b>Omim ID</b>	<a href="#">125305</a>
<b>Gene Ontology</b>	<a href="#">Hyperlink</a>

**Gene Summary**

Dematin, or EPB49, is an actin-bundling protein originally identified in the erythroid membrane skeleton. Its actin-bundling activity is abolished upon phosphorylation by cAMP-dependent protein kinase and is restored after dephosphorylation (Rana et al., 1993 [PubMed 8341682]).[supplied by OMIM]

**Other Designations**

dematin|erythrocyte membrane protein band 4.9