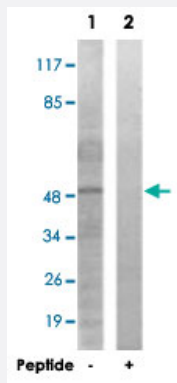


EPB49 polyclonal antibody

Catalog # PAB18342

Size 100 ug

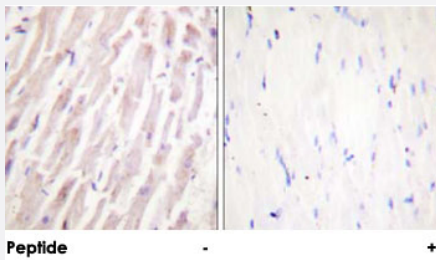
Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from 293 cells, using EPB49 polyclonal antibody (Cat # PAB18342).

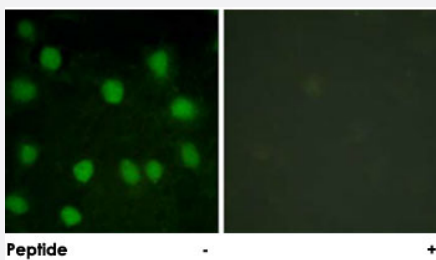
Peptide "+" means "peptide blocking".



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

Immunohistochemical analysis of paraffin-embedded human heart tissue using EPB49 polyclonal antibody (Cat # PAB18342).

Peptide "+" means "peptide blocking".



Immunofluorescence

Immunofluorescence analysis of HUVEC cells, treated with serum (20 %, 30 mins), using EPB49 polyclonal antibody (Cat # PAB18342).

Peptide "+" means "peptide blocking".

Specification

Product Description

Rabbit polyclonal antibody raised against synthetic peptide of EPB49.

Immunogen	A synthetic peptide corresponding to residues surrounding S403 of human EPB49.
Host	Rabbit
Reactivity	Human, Mouse
Specificity	This antibody is specific to EPB49.
Form	Liquid
Purification	Affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:100) Immunofluorescence (1:500-1:1000) ELISA (1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	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 extracts from 293 cells, using EPB49 polyclonal antibody (Cat # PAB18342).

Peptide "+" means "peptide blocking".

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

Immunohistochemical analysis of paraffin-embedded human heart tissue using EPB49 polyclonal antibody (Cat # PAB18342).

Peptide "+" means "peptide blocking".

- Immunofluorescence

Immunofluorescence analysis of HUVEC cells, treated with serum (20 %, 30 mins), using EPB49 polyclonal antibody (Cat # PAB18342).

Peptide "+" means "peptide blocking".

- Enzyme-linked Immunoabsorbent Assay

Gene Info — EPB49

Entrez GeneID	2039
Protein Accession#	Q08495
Gene Name	EPB49
Gene Alias	DMT, FLJ78462, FLJ98848
Gene Description	erythrocyte membrane protein band 4.9 (dematin)
Omim ID	125305
Gene Ontology	Hyperlink
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

Publication Reference

- [The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection \(MGC\).](#)

Gerhard DS, Wagner L, Feingold EA, Shenmen CM, Grouse LH, Schuler G, Klein SL, Old S, Rasooly R, Good P, Guyer M, Peck AM, Derge JG, Lipman D, Collins FS, Jang W, Sherry S, Feolo M, Misquitta L, Lee E, Rotmistrovsky K, Greenhut SF, Schaefer CF, Buetow K, Bonner TI, Haussler D, Kent J, Kiekhaus M, Furey T, Brent M, Prange C, Schreiber K, Shapiro N, Bhat NK, Hopkins RF, Hsie F, Driscoll T, Soares MB, Casavant TL, Scheetz TE, Brown-stein MJ, Usdin TB, Toshiyuki S, Caminci P, Piao Y, Dudekula DB, K

Genome Research 2004 Oct; 14(10B):2121.