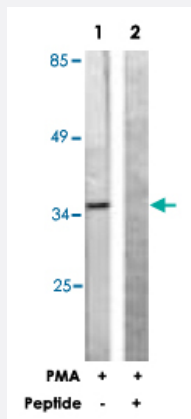


PEA15 polyclonal antibody

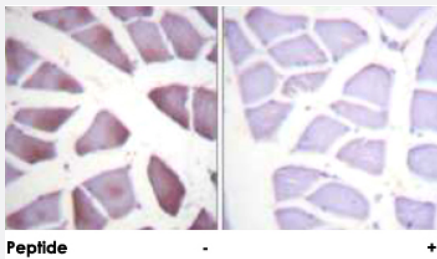
Catalog # PAB18206 Size 100 ug

Applications



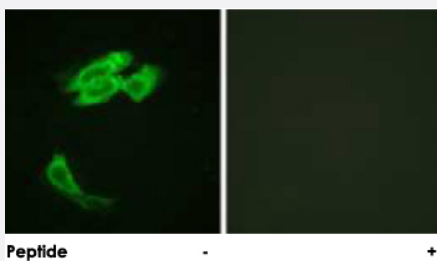
Western Blot (Cell lysate)

Western blot analysis of extracts from Jurkat cells, treated with PMA (125 ng/mL, 30 mins), using PEA15 polyclonal antibody (Cat # PAB18206). Peptide "+" means "peptide blocking".



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

Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue using PEA15 polyclonal antibody (Cat # PAB18206). Peptide "+" means "peptide blocking".



Immunofluorescence

Immunofluorescence analysis of HeLa cells, using PEA15 polyclonal antibody (Cat # PAB18206). Peptide "+" means "peptide blocking".

Specification

Product Description

Rabbit polyclonal antibody raised against synthetic peptide of PEA15.

Immunogen	A synthetic peptide corresponding to residues surrounding S116 of human PEA15.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody is specific to PEA15.
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 (1:40000) 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 Jurkat cells, treated with PMA (125 ng/mL, 30 mins), using PEA15 polyclonal antibody (Cat # PAB18206).

Peptide "+" means "peptide blocking".

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

Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue using PEA15 polyclonal antibody (Cat # PAB18206).

Peptide "+" means "peptide blocking".

- Immunofluorescence

Immunofluorescence analysis of HeLa cells, using PEA15 polyclonal antibody (Cat # PAB18206).

Peptide "+" means "peptide blocking".

- Enzyme-linked Immunoabsorbent Assay

Gene Info — PEA15

Entrez GeneID	8682
Protein Accession#	Q15121
Gene Name	PEA15
Gene Alias	HMAT1, HUMMAT1H, MAT1, MAT1H, PEA-15, PED
Gene Description	phosphoprotein enriched in astrocytes 15
Omim ID	603434
Gene Ontology	Hyperlink
Gene Summary	PEA15 is a death effector domain (DED)-containing protein predominantly expressed in the central nervous system, particularly in astrocytes.[supplied by OMIM]
Other Designations	OTTHUMP00000029886 Phosphoprotein enriched in astrocytes, 15kD homolog of mouse MAT-1 oncogene

Publication Reference

- [PEA-15 inhibits tumor cell invasion by binding to extracellular signal-regulated kinase 1/2.](#)

Glading A, Koziol JA, Krueger J, Ginsberg MH.

Cancer Research 2007 Feb; 67(4):1536.

- [Phosphorylation of phosphoprotein enriched in astrocytes \(PEA-15\) regulates extracellular signal-regulated kinase-dependent transcription and cell proliferation.](#)

Krueger J, Chou FL, Glading A, Schaefer E, Ginsberg MH.

Molecular Biology of the Cell 2005 Aug; 16(8):3552.

Application: IHC-P, WB-Tr, Human, Mouse, CHO, Human mammary tissues, MDA-MB-231, NIH/3T3 cells

- [Protein kinase B/Akt binds and phosphorylates PED/PEA-15, stabilizing its antiapoptotic action.](#)

Trencia A, Perfetti A, Cassese A, Vigliotta G, Miele C, Oriente F, Santopietro S, Giacco F, Condorelli G, Formisano P, Beguinot F.

Molecular and Cellular Biology 2003 Jul; 23(13):4511.

Application: WB-Ce, WB-Tr, Human, 293 cells

Disease

- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Diabetes Complications](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Osteoporosis](#)