PEA-15 Antibody – Polyclonal

PRODUCT OVERVIEW

Product Name	PEA-15, Polyclonal Antibody
Full Product Name	PEA-15 Polyclonal Antibody
Product Gene Name	anti-PEA-15 antibody
Clonality	Polyclonal
Molecular Weight	17,307 Da
OMIM	603434
3D Structure	ModBase 3D Structure for Q15121
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for anti-PEA-15 antibody	MBS8524635 is an antibody targeting PEA-15. Also known as PEA-15 Polyclonal Antibody.
Other Notes	Small volumes of anti-PEA-15 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PEA-15. It may not necessarily be applicable to this product.

NCBI GI #	662033922
NCBI GeneID	8682
NCBI Accession #	NP_001284505.1
UniProt Primary Accession #	Q15121
UniProt Secondary Accession #	O00511; B1AKZ3
UniProt Related Accession #	Q15121
GenBank Nucleotide #	NM_001297576.1
NCBI Official Full Name	astrocytic phosphoprotein PEA-15 isoform a
NCBI Official Synonym Full Names	proliferation and apoptosis adaptor protein 15
NCBI Official Symbol	PEA15
NCBI Official Synonym Symbols	PED; MAT1; HMAT1; MAT1H; PEA-15; HUMMAT1H; PED-PEA15; PED/PEA15
UniProt Protein Name	Astrocytic phosphoprotein PEA-15
UniProt Synonym Protein Names	15 kDa phosphoprotein enriched in astrocytes; Phosphoprotein enriched in diabetes; PED
Protein Family	Astrocytic phosphoprotein
UniProt Gene Name	PEA15
UniProt Synonym Gene Names	PED
NCBI Protein Information	astrocytic phosphoprotein PEA-15

NCBI Summary for PEA-15	This gene encodes a death effector domain-containing protein that functions as a negative regulator of apoptosis. The encoded protein is an endogenous substrate for protein kinase C. This protein is also overexpressed in type 2 diabetes mellitus, where it may contribute to insulin resistance in glucose uptake. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]
UniProt Comments for PEA-15	Blocks Ras-mediated inhibition of integrin activation and modulates the ERK MAP kinase cascade. Inhibits RPS6KA3 activities by retaining it in the cytoplasm (). Inhibits both TNFRSF6- and TNFRSF1A-mediated CASP8 activity and apoptosis. Regulates glucose transport by controlling both the content of SLC2A1 glucose transporters on the plasma membrane and the insulin-dependent trafficking of SLC2A4 from the cell interior to the surface.
Research Articles on PEA-15	**1.** PP4 regulates breast cancer cell survival and identifies a novel PP4c-PEA15 signalling axis in the control of breast cancer cell survival.
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