

ARG66861 anti-PEA15 phospho (Ser104) antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PEA15 phospho (Ser104)
Tested Reactivity	Hu, Mk
Predict Reactivity	Ms, Rat
Tested Application	IHC-P, WB
Specificity	This antibody detects endogenous levels of PEA15 protein only when phosphorylated at Ser104.
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PEA15
Species	Human
Immunogen	Synthetic peptide around the phosphorylated Ser104 (aa. 70-119) of Human PEA15.
Conjugation	Un-conjugated
Alternate Names	MAT1H; MAT1; Astrocytic phosphoprotein PEA-15; HUMMAT1H; 15 kDa phosphoprotein enriched in astrocytes; PED; PEA-15; Phosphoprotein enriched in diabetes; HMAT1

Application Instructions

Application table	Application	Dilution
	IHC-P	1:100 - 1:300
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	COS7	
Observed Size	~ 19 kDa	

Properties

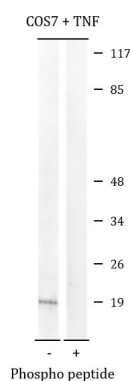
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS, 0.02% Sodium azide, 50% Glycerol and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol and 0.5% BSA
Concentration	1 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

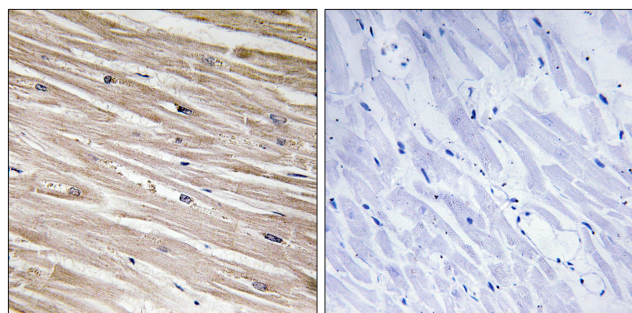
Gene Symbol	PEA15
Gene Full Name	phosphoprotein enriched in astrocytes 15
Background	This gene encodes a death effector domain-containing protein that functions as a negative regulator of apoptosis. The encoded protein is an endogenous substrate for protein kinase C. This protein is also overexpressed 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]
Function	Blocks Ras-mediated inhibition of integrin activation and modulates the ERK MAP kinase cascade. Inhibits RPS6KA3 activities by retaining it in the cytoplasm (By similarity). 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. [UniProt]
Calculated Mw	15 kDa
PTM	Phosphorylated by protein kinase C and calcium-calmodulin-dependent protein kinase. These phosphorylation events are modulated by neurotransmitters or hormones. [UniProt]
Cellular Localization	Cytoplasm. Note=Associated with microtubules. [UniProt]

Images



ARG66861 anti-PEA15 phospho (Ser104) antibody WB image

Western blot: COS7 cells treated with TNF at 20 ng/ml for 5 min. Cell lysates were stained with ARG66861 anti-PEA15 phospho (Ser104) antibody. The lane on the right is blocked with the phospho peptide.



ARG66861 anti-PEA15 phospho (Ser104) antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human heart tissue stained with ARG66861 anti-PEA15 phospho (Ser104) antibody. The picture on the right is blocked with the phospho peptide.