Datasheet for ABIN744698

anti-PEA15 antibody (pSer116)

1 Publication

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Overview

Quantity:	100 µL
Target:	PEA15
Binding Specificity:	pSer116
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PEA15 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human PEA15 around the phosphorylation site of Ser116
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human,Mouse,Dog,Cow,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	PEA15

Target Details

Alternative Name:	PEA15 (PEA15 Products)
Background:	Synonyms: Astrocytic phosphoprotein PEA 15, Astrocytic phosphoprotein PEA15, HMAT 1, HMAT1, Homolog of mouse MAT 1 oncogene, Homolog of mouse MAT1 oncogene, HUMMAT 1H, HUMMAT1H, MAT 1, MAT 1H, MAT1, MAT1H, PEA 15, PEA-15_ PEA15 protein, PED, Phosphoprotein enriched in astrocytes 15, Phosphoprotein enriched in astrocytes 15kD, Phosphoprotein enriched in diabetes, PEA15_HUMAN. Background: PED/PEA 15 (Phosphoprotein Enriched in Diabetes/Phosphoprotein Enriched in Astrocytes 15 kDa) is a widely expressed 15 kDa protein comprised of an N terminal region containing a canonical Death Effector Domain (DED) sequence and a nuclear export signal, and a C terminal region containing two serine phosphorylation sites. PED/PEA 15 has been implicated in the regulation of multiple cellular processes including apoptosis, integrin activation, and insulin sensitive glucose transport in insulin responsive cells. Phosphorylation of both serine 104 (a Protein Kinase C site) and serine 116 (a substrate of CaMKII and Akt) is required for PED/PEA 15 function.
Gene ID:	8682

Application Details

Application Notes:	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling

Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

Product cited in:	Kim, Kang: "PKC, AKT and ERK1/2-Mediated Modulations of PARP1, NF-κB and PEA15 Activities Distinctly Regulate Regional Specific Astroglial Responses Following Status Epilepticus." in: **Frontiers in molecular neuroscience**, Vol. 12, pp. 180, (2019) (PubMed).