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Datasheet for ABIN744683 anti-PEA15 antibody (pSer104)

Publication



Overview

Quantity:	100 µL
Target:	PEA15
Binding Specificity:	pSer104
Reactivity:	Human
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 Ser104
Isotype:	lgG
Predicted Reactivity:	Human,Mouse,Rat,Dog,Cow,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	PEA15
Alternative Name:	PEA15 (PEA15 Products)

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Target Details	
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.
	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

Restrictions:	For Research Use only
	IF(ICC) 1:50-200
	IF(IHC-F) 1:50-200
	IF(IHC-P) 1:50-200
	IHC-F 1:100-500
	IHC-P 1:200-400
Application Notes:	ELISA 1:500-1000

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.
Storage:	4 °C,-20 °C

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Handling	
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-кB and PEA15
	Activities Distinctly Regulate Regional Specific Astroglial Responses Following Status
	Epilepticus." in: Frontiers in molecular neuroscience, Vol. 12, pp. 180, (2019) (PubMed).