

产品名称: PEA-15 Rabbit Polyclonal Antibody
产品货号: AP Rab15945



产品概述 (Summary)

产品名称 (Production Name)	PEA-15 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat,Monkey

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	PEA15
别名 (Alternative Names)	PEA15; Astrocytic phosphoprotein PEA-15; 15 kDa phosphoprotein enriched in astrocytes; Phosphoprotein enriched in diabetes; PED
基因 ID (Gene ID)	8682.0
蛋白 ID (SwissProt ID)	Q15121.The antiserum was produced against synthesized peptide derived from human PEA-15. AA range:81-130

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:20000-1:40000
蛋白分子量 (Molecular Weight)	36kDa

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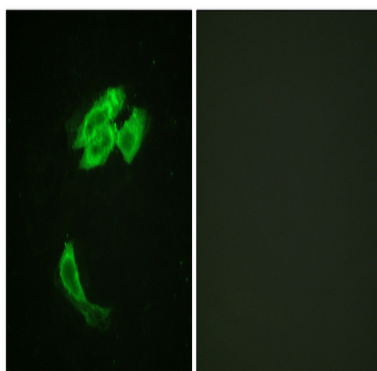
研究背景 (Background)

phosphoprotein enriched in astrocytes 15 (PEA15) Homo sapiens 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., PTM: Phosphorylated by protein kinase C and calcium-calmodulin-dependent protein kinase. These phosphorylation events are modulated by neurotransmitters or hormones., similarity: Contains 1 DED (death effector) domain., subcellular location: Associated with microtubules., subunit: Binds RPS6KA3, MAPK3 and MAPK1. Transient interaction with PLD1 and PLD2 (By similarity). Interacts with CASP8 and FADD., tissue specificity: Ubiquitously expressed. Most abundant in tissues such as heart, brain, muscle and adipose tissue which utilize glucose as an energy source. Lower expression in glucose-producing tissues. Higher levels of expression are found in tissues from individuals with type 2 diabetes than in controls.,

研究领域 (Research Area)

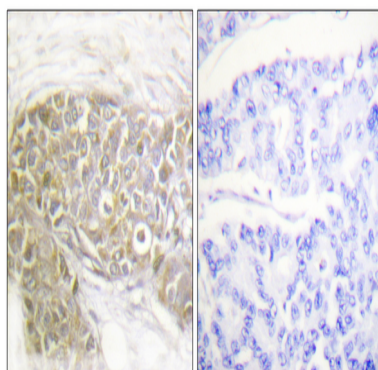
Cell Biology; Apoptosis; Intracellular; Associated Proteins

图片 (Image Data)

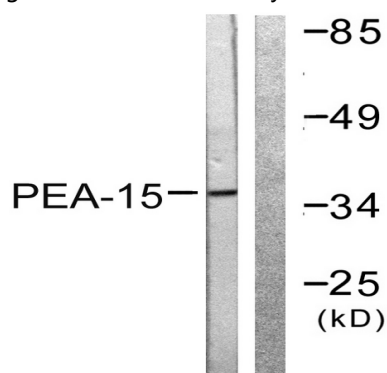


Immunofluorescence analysis of HeLa cells, using PEA-15 Antibody. The picture on the right is blocked with the synthesized peptide.

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Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using PEA-15 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from Jurkat cells, treated with PMA 125ng/ml 30', using PEA-15 Antibody. The lane on the right is blocked with the synthesized peptide.

注意事项 (Note)

For research use only .