

Anti-PEA15 Antibody

Rabbit Polyclonal Antibody

Catalog # ABV11869

Product Information

Application	WB, IF, ICC
Primary Accession	Q15121
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	15040

Additional Information

Gene ID	8682
Positive Control	WB: HEK293, RAW264.7, H9C2 cell lysate; IF: HEK293T cells
Application & Usage	WB; 1:500 – 1:2000, 1:50 – 1:100
Alias Symbol	PEA15
Other Names	Astrocytic phosphoprotein PEA-15, 15 kDa phosphoprotein enriched in astrocytes, Phosphoprotein enriched in diabetes, PED
Appearance	Colorless liquid
Formulation	In 0.42% Potassium phosphate; 0.87% Sodium chloride; pH 7.3; 30% glycerol and 0.01% sodium azide
Reconstitution & Storage	-20 °C
Background Descriptions	
Precautions	Anti-PEA15 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PEA15
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.
Cellular Location	Cytoplasm. Note=Associated with microtubules.

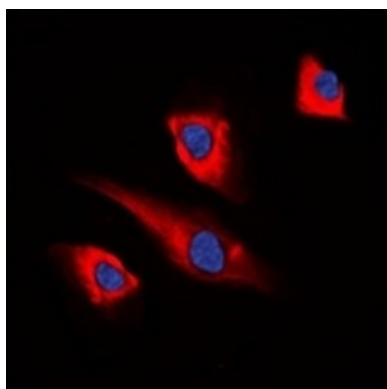
Tissue Location

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.

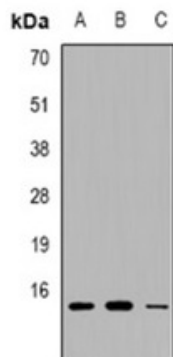
Background

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.

Images



Immunofluorescent analysis of PEA15 staining in HEK293T cells.



Western blot analysis of PEA15 expression in HEK293T(A); RAW264.7(B); H9C2(C) whole cell lysates.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.