

**PEA-15 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP8524b**

### Specification

#### PEA-15 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession [Q15121](#)

#### PEA-15 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 8682

##### Other Names

Astrocytic phosphoprotein PEA-15, 15 kDa phosphoprotein enriched in astrocytes, Phosphoprotein enriched in diabetes, PED, PEA15

##### Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP8524b](#) was selected from the C-term region of human PEA-15. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

##### Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

##### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

##### Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

#### PEA-15 Antibody (C-term) Blocking Peptide - 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.

### **PEA-15 Antibody (C-term) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

### **PEA-15 Antibody (C-term) Blocking Peptide - Images**

### **PEA-15 Antibody (C-term) Blocking Peptide - Background**

PEA15 is a death effector domain (DED)-containing protein predominantly expressed in the central nervous system, particularly in astrocytes.

### **PEA-15 Antibody (C-term) Blocking Peptide - References**

Trencia,A., et.al., Mol. Cell. Biol. 23 (13), 4511-4521 (2003) Sugiyama,N., et.al., Mol. Cell Proteomics 6 (6), 1103-1109 (2007)