PEA-15 (Phospho-Ser104) Antibody

Catalog No: #11676

Package Size: #11676-1 50ul #11676-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

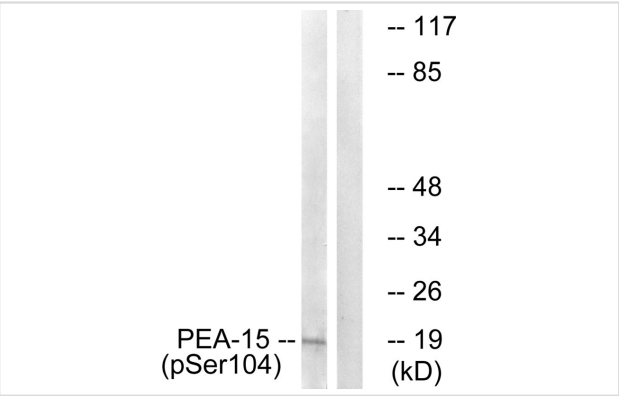
Product Name	PEA-15 (Phospho-Ser104) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Applications	WB IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of PEA-15 only when phosphorylated at serine 104.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of Serine 104(I-P-S(p)-A-K) derived from Human PEA-15.
Target Name	PEA-15
Modification	Phospho
Other Names	PE15; PEA15; PED;
Accession No.	Swiss-Prot#: Q15121; NCBI Gene#: 8682; NCBI Protein#: NP_003759.1.
Uniprot	Q15121
GeneID	8682;
SDS-PAGE MW	19kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

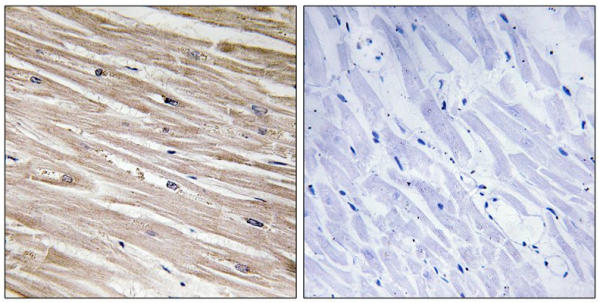
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from COS cells treated with TNF using PEA-15 (Phospho-Ser104) Antibody #11676.The lane on the right is treated with the antigen-specific peptide.



Immunohistochemical analysis of paraffin-embedded human heart tissue using PEA-15 (Phospho-Ser104) antibody #11676 (left)or the same antibody preincubated with blocking peptide (right).

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.

Estelles A., J. Biol. Chem. 271:14800-14806(1996).
Condorelli G., EMBO J. 17:3858-3866(1998).
Wolford J.K., Gene 241:143-148(2000).

Note: This product is for in vitro research use only