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Store at -20C
#2780

PEA-15 Antibody

For Research Use Only. Not for Use in Diagnostic Procedures.

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|-------------------------------|--------------------------------|-----------------------------------|------------------------|----------------------------------|-------------------------------|--------------------------------|
| Applications: W, IP | Reactivity: H M R Mk | Sensitivity: Endogenous | MW (kDa): 15 | Source/Isotype: Rabbit | UniProt ID: #Q15121 | Entrez-Gene Id: 8682 |
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Product Usage Information

Application

Western Blotting
Immunoprecipitation

Dilution

1:1000
1:100

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at -20°C. Do not aliquot the antibody.

Specificity/Sensitivity

PEA-15 Antibody detects endogenous levels of total PEA-15 protein.

Source / Purification

Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding residue surrounding Leu60 of human PEA-15. Antibodies are purified by protein A and peptide affinity chromatography.

Background

PEA-15 is a 15 kDa phosphoprotein expressed abundantly in astrocytes and fibroblasts as well as in tissues, including the lung and eye (1). The protein has been shown to coordinate cell growth, death, and glucose utilization (2-4). The amino-terminal DED domain of PEA-15 mediates its binding to FADD or Erk and further regulates the Erk and apoptosis signaling pathways. PEA-15 can be phosphorylated at two serine residues, Ser104 and Ser116, located within the carboxy terminus. Phosphorylation at these sites regulates binding to Erk and FADD (2,3).

Background References

1. Danziger, N. et al. (1995) *J. Neurochem.* 64, 1016-1025.
2. Krueger, J. et al. (2005) *Mol. Biol. Cell* 16, 3552-3561.
3. Renganathan, H. et al. (2005) *Biochem. J.* 390, 729-735.
4. Condorelli, G. et al. (1998) *EMBO J.* 17, 3858-3866.

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween@ 20 at 4°C with gentle shaking, overnight.

Applications Key

W: Western Blotting **IP:** Immunoprecipitation

Cross-Reactivity Key

H: Human **M:** Mouse **R:** Rat **Mk:** Monkey

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