PEA-15 (D110) polyclonal antibody

Catalog: BS1573 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

PEA-15 (phosphoprotein enriched in astrocytes) exists in an non-phosphorylated form (N), and two phosphorylated forms, Pa and Pb. PEA-15 is an endogenous substrate for PKC, which mediates the transition from Pa to Pb. The level of PEA-15 phosphorylation changes upon depolymerization or stabilization of tubulins, indicating that PEA-15 co-localizes with microtubules. The first 80 amino acids of PEA-15 correspond to the death effector domain (DED), which is a domain found in proteins that regulate apoptotic signaling pathways. The DED domain is necessary for PEA-15 to block Ras suppression. Although PEA-15 is predominantly expressed in the central nervous system, low levels of PEA-15 are expressed in liver and kidney, and higher levels in muscle.PEA-15 is also referred to as PED, phosphoprotein enriched in diabetes, for its elevated expression in type 2 diabetic patients

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 15 kDa

Swiss-Prot:

Q15121

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

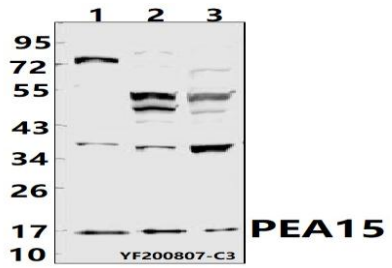
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

PEA-15 (D110) polyclonal antibody detects endogenous levels of PEA-15 protein.

DATA:



Western blot (WB) analysis of PEA15 pAb at 1:500 dilution

Lane1:The brain tissue lysate of mouse(40ug)

Lane2:C6 whole cell lysate(40ug)

Lane3:HEH293T whole cell lysate(40ug)

Note:

For research use only, not for use in diagnostic procedure.

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