

## PRAS40 (P240) polyclonal antibody

Catalog: BCP01366

Host: Rabbit

Reactivity: Human,Mouse,Rat

### BackGround:

Akt, also known as protein kinase B, is one of the major downstream targets of the phosphatidylinositol 3-kinase pathway. This protein kinase has been implicated in insulin signaling, stimulation of cellular growth, inhibition of apoptosis and transformation of cells. The proline-rich Akt substrate PRAS40, also designated AKT1S1, becomes phosphorylated by activated Akt on Ser or Thr residues in the motif RXXRXX(S/T). Phosphorylated PRAS40 subsequently binds 14-3-3 in a sequence-specific manner, thereby inducing such changes as alteration of protein subcellular localization and regulation of intrinsic enzymatic activity. Studies also suggest that PRAS40 phosphorylation and its interaction with pAkt and 14-3-3 may play an important role in neuroprotection mediated by NGF in apoptotic neuronal cell death after cerebral ischemia. PRAS40 maps to human chromosome 19q13.33.

### Product:

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

### Molecular Weight:

~ 40 kDa

### Swiss-Prot:

Q96B36

### 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

IHC: 1:50~1:200

### Storage&Stability:

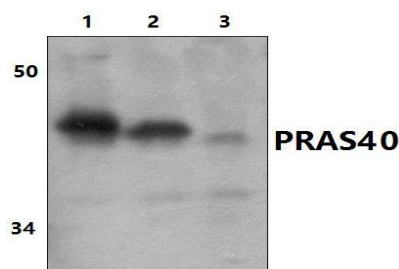
Store at 4 °C short term. Aliquot and store at -20 °C long

term. Avoid freeze-thaw cycles.

### Specificity:

Akt1 S1 (P240) polyclonal antibody detects endogenous levels of Akt1 S1 protein.

### DATA:



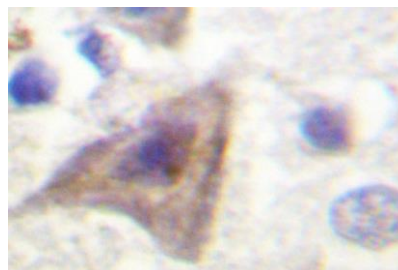
Western blot (WB) analysis of PRAS40 (P240) polyclonal antibody at 1:500 dilution

Lane1:H9C2 whole cell lysate(40ug)

Lane2:L02 whole cell lysate(40ug)

Lane3:MEF whole cell lysate(40ug)

Lane4:A549 whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of Akt1 S1 (P240) pAb in paraffin-embedded human breast tissue.

### Note:

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