

PIN1 (phospho-S16) polyclonal antibody

Catalog: BS4860

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

NIMA was originally shown in *Aspergillus nidulans* to be necessary for entry into mitosis. NIMA-related mammalian proteins have since been identified as Nek1, Nek2 and Nek3. High expression of Nek1 is seen in male and female germ cell lines of mouse. Nek2 is the closest known mammalian relative to NIMA. Like NIMA, Nek2 expression peaks at the G2 to M phase transition. Pin1 was originally identified as a NIMA-interacting protein. Pin1 is a peptidyl-prolyl cis/trans isomerase (PPIase), which specifically binds to phosphoserine-proline or phosphothreonine-proline bonds in mitotic phosphoproteins. While previously identified PPIases have been shown to be involved in protein folding, assembly and transport, Pin1 is the first PPIase to be identified as a required protein for cell viability.

Product:

1mg/ml in PBS with 0.1% Sodium Azide, 50% Glycerol.

Molecular Weight:

~ 18 kDa

Swiss-Prot:

Q13526

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

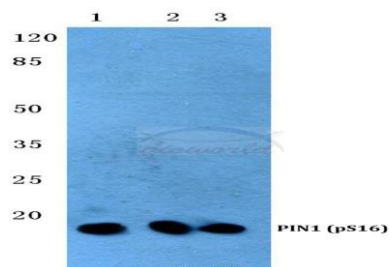
Storage&Stability:

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

Specificity:

PIN1 polyclonal antibody detects endogenous levels of PIN1 protein.

DATA:



Western blot (WB) analysis of p-PIN1 (S16) polyclonal antibody at 1:500 dilution

Lane1:Hela cell lysate treated with insulin(100nM,15min)

Lane2:Raw264.7 cell lysate treated with insulin(100nM,15min)

Lane3:PC12 cell lysate treated with insulin(100nM,15min)

Note:

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

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