

NEK5 polyclonal antibody

Catalog: BS61726

Host: Rabbit

Reactivity: Human

BackGround:

The phosphorylation and dephosphorylation of proteins on serine and threonine residues is an essential means of regulating a broad range of cellular functions in eukaryotes, including cell division, homeostasis and apoptosis. A group of proteins that are intimately involved in this process are the serine/threonine (Ser/Thr) protein kinases. Nek5 (NimA-related protein kinase 5) is a 708 amino acid protein that is related to NIMA, a protein that was originally discovered in *Aspergillus nidulans* and is necessary for entry into mitosis. One of several members of the Ser/Thr protein kinase super family, Nek5 contains one protein kinase domain through which it catalyzes the ATP-dependent phosphorylation of target proteins. Like NIMA, Nek5 may be involved in mitotic regulation and cell cycle control.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.3.

Molecular Weight:

~ 81 kDa

Swiss-Prot:

Q6P3R8

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

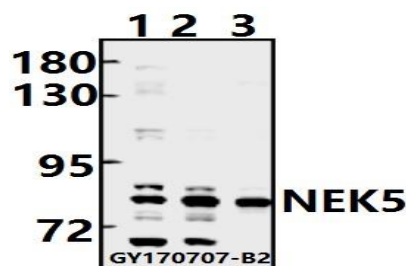
Storage&Stability:

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

Specificity:

NEK5 polyclonal antibody detects endogenous levels of NEK5 protein.

DATA:



Western blot (WB) analysis of NEK5 polyclonal antibody at 1:500 dilution

Lane1: HEK293T whole cell lysate(40ug)

Lane2: K562 whole cell lysate(40ug)

Lane3: COS-7 whole cell lysate(40ug)

Note:

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

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