

ERK3 (D475) polyclonal antibody

Catalog: BS2662

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Mitogen-activated protein kinase (MAPK) signaling pathways involve closely related MAP kinases, including extracellular-signal-related kinase 3 (ERK 3, also designated PRKM6 and p97MAPK). Serum, growth factors and phorbol esters can initiate ERK 3 signaling pathways. Despite lacking a definitive nuclear localization sequence, ERK 3 constitutively localizes to the nucleus upon activation. p38 pathway activation-dependent upregulation of ERK 3 is independent of the status of p53, Bcl2 and caspase 3 during cell stress and damage induced by proteasome inhibition, suggesting ERK 3 in part mediates intracellular defense or cell rescue. The human ERK3 gene maps to chromosome 15q21 and encodes a 721 amino acid protein.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 105 kDa

Swiss-Prot:

Q16659

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

IF: 1:50~1:200

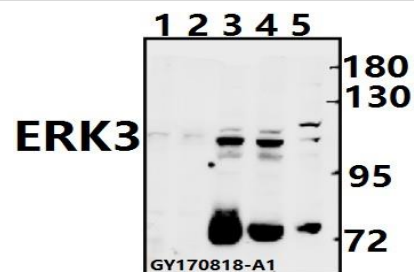
Storage&Stability:

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

Specificity:

ERK3 (D475) polyclonal antibody detects endogenous levels of ERK3 protein.

DATA:



Western blot (WB) analysis of ERK3 (D475) pAb at 1:500 dilution

Lane1:The Brain tissue lysate of Mouse(40ug)

Lane2:The Brain tissue lysate of Rat(40ug)

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

Lane4:PC3 whole cell lysate(40ug)

Lane5:SGC7901 whole cell lysate(40ug)

Note:

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

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