

MARK4 polyclonal antibody

Catalog: BS60699

Host: Rabbit

Reactivity: Human, Mouse, Rat

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. The serine/threonine (Ser/Thr) protein kinases are a group of proteins that are intimately involved in this process. MARK4 (MAP/microtubule affinity-regulating kinase 4), also known as MARKL1 or KIAA1860, is a 752 amino acid protein that contains one UBA domain, one protein kinase domain and one kinase-associated domain and belongs to the Ser/Thr protein kinase family. Expressed ubiquitously as two alternatively spliced isoforms, one of which is brain-specific, MARK4 uses ATP to catalyze the phosphorylation of target proteins and is thought to be involved in cell growth. MARK4 is upregulated in hepatocellular carcinoma cells, suggesting a role for MARK4 in tumorigenesis.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.2.

Molecular Weight:

~ 70 kDa

Swiss-Prot:

Q96L34

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific im-

munogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

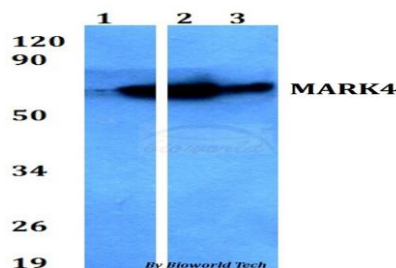
Storage&Stability:

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

Specificity:

MARK4 polyclonal antibody detects endogenous levels of MARK4 protein.

DATA:



Western blot (WB) analysis of MARK4 polyclonal antibody at 1:500 dilution

Lane1:A549 whole cell lysate

Lane2:Raw264.7 whole cell lysate

Lane3:H9C2 whole cell lysate

Note:

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

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