MARK1/2/3/4 (N211) polyclonal antibody

Catalog: BS61877 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

Microtubule affinity-regulating kinase 2 (MARK2), also known as EMK1 (ELKL motif kinase 1) or Par1b, is a 788 amino acid protein that is a member of the protein kinase superfamily, MARK subfamily. Highly expressed in heart, brain, skeletal muscle and pancreas, MARK2 is essential for the asymmetric development of membrane domains around polarized epithelial cells. Activation of MARK2 by phosphorylation on Thr 208 allows the protein to modulate the building of a columnar versus a hepatic epithelial cell. MARK2 contains one KA1 (kinase-associated) domain, one protein kinase domain and one UBA domain. MARK2 is expressed as 14 isoforms produced by alternative splicing events. Some of these isoforms may function in graft rejection.

Product:

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

Molecular Weight:

~ 83 kDa

Swiss-Prot:

Q9P0L2/Q7KZI7/P27448/Q96L34

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

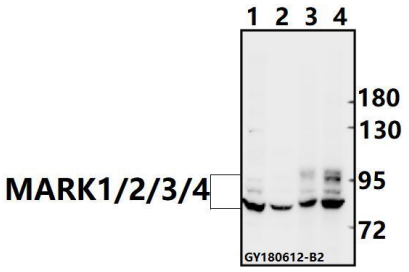
Storage&Stability:

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

Specificity:

MARK1/2/3/4 (N211) pAb detects endogenous levels of MARK1/2/3/4 (N211) protein.

DATA:



Western blot (WB) analysis of MARK1/2/3/4 (N211) pAb at 1:500 dilution

Lane1:Panc1 whole cell lysate(40ug)

Lane2:HEK293T whole cell lysate(40ug)

Lane3:The Brain tissue lysate of Mouse(40ug)

Lane4:The Brain tissue lysate of Rat(40ug)

Note:

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

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