

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

Catalog: BS3001

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

MARK1 (MAP/microtubule affinity-regulating kinase 1) belongs to the MARK family of serine/threonine kinases. MARK family protein kinases phosphorylate microtubule-associated proteins and may play a role in cytoskeletal stability. MARK2 refers to MAP/microtubule affinity-regulating kinase 2 isoform a [Homo sapiens]. EMK (ELKL Motif Kinase) is a small family of ser/thr protein kinases involved in the control of cell polarity, microtubule stability and cancer. Several cDNA clones have been isolated that encoded two isoforms of the human ser/thr protein kinase EMK1 called MARK2. MARK3 was originally identified as a marker that was induced by treatment with DNA damaging agents, and loss of MARK3 was found with carcinogenesis in the pancreas. MARK4 contains an N terminal serine/threonine kinase domain, a central ubiquitin associated domain, and a C terminal KA1 associated kinase domain. RT PCR analysis detects upregulated expression of the gene for MARK4 in nearly all clinical hepatocellular carcinoma cells.

Product:

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

Molecular Weight:

~ 80 to 92 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:

IHC: 1:50~1:200

IF: 1:50~1:200

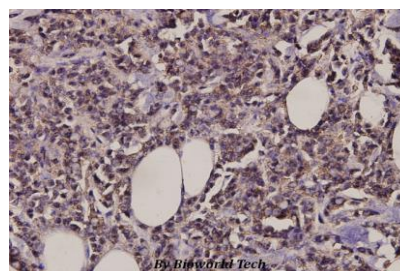
Storage&Stability:

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

Specificity:

MARK1/2/3/4 (N211) polyclonal antibody detects endogenous levels of total MARK protein.

DATA:



Immunohistochemistry (IHC) analyzes of MARK1/2/3/4 (N211) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

Note:

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

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