

RAF1 monoclonal antibody

Catalog: MB21582

Host: Mouse

Reactivity: Human

BackGround:

This gene is the cellular homolog of viral raf gene (v-raf). The encoded protein is a MAP kinase kinase kinase (MAP3K), which functions downstream of the Ras family of membrane associated GTPases to which it binds directly. Once activated, the cellular RAF1 protein can phosphorylate to activate the dual specificity protein kinases MEK1 and MEK2, which in turn phosphorylate to activate the serine/threonine specific protein kinases, ERK1 and ERK2. Activated ERKs are pleiotropic effectors of cell physiology and play an important role in the control of gene expression involved in the cell division cycle, apoptosis, cell differentiation and cell migration. Mutations in this gene are associated with Noonan syndrome 5 and LEOPARD syndrome 2.

Product:

Purified antibody in PBS with 0.05% sodium azide

Molecular Weight:

73kDa

Swiss-Prot:

P04049

Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB:1/500 - 1/2000 IHC:1/200 - 1/1000 FC:1/200 - 1/400

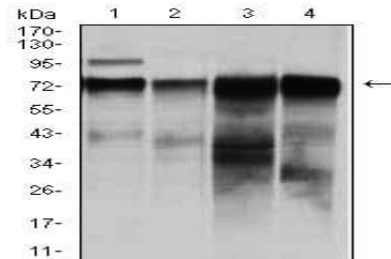
Storage&Stability:

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

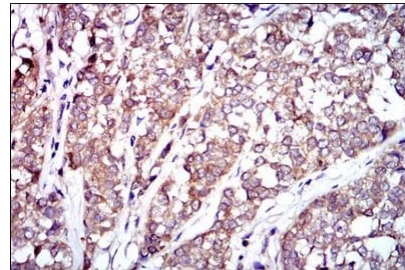
Isotype:

Mouse IgG1

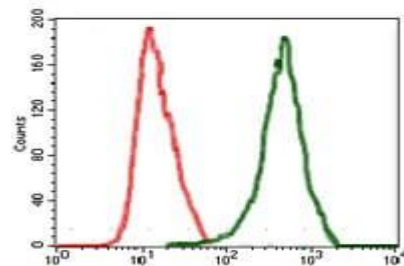
DATA:



Western blot analysis using RAF1 mouse mAb against HeLa (1), A431 (2), HepG (3), and SW620 (4) cell lysate.



Immunohistochemical analysis of paraffin-embedded human bladder cancer tissues using RAF1 mouse mAb with DAB staining.



Flow cytometric analysis of MCF-7 cells using RAF1 mouse mAb (green) and negative control (red).

Note:

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

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