

Rak Monoclonal Antibody

Catalog No: YM0551

Reactivity: Human

Applications: WB;IHC;IF;ELISA

Target: Rak

Gene Name: FRK

Protein Name: Tyrosine-protein kinase FRK

P42685

Q922K9

Human Gene Id: 2444

Human Swiss Prot

No:

Mouse Swiss Prot

No:

Immunogen: Purified recombinant fragment of Rak (aa2-300) expressed in E. Coli.

Specificity: Rak Monoclonal Antibody detects endogenous levels of Rak protein.

Formulation: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Monoclonal, Mouse

Dilution : WB 1:500 - 1:2000. IHC 1:200 - 1:1000. ELISA: 1:10000.. IF 1:50-200

Purification : Affinity purification

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight: 58kD

P References : 1. Int J Cancer. 1993 Jun 19;54(4):571-7.

2. Proc Natl Acad Sci U S A. 2002 Dec 24;99(26):16899-903.

3. Neurosci Lett. 2004 Apr 22;360(1-2):109-11.



Background:

The protein encoded by this gene belongs to the TYR family of protein kinases. This tyrosine kinase is a nuclear protein and may function during G1 and S phase of the cell cycle and suppress growth. [provided by RefSeq, Jul 2008],

Function:

catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate.,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family. SRC subfamily.,similarity:Contains 1 protein kinase domain.,similarity:Contains 1 SH2 domain.,similarity:Contains 1 SH3 domain.,tissue specificity:Restricted to cells lines derived from tissues of lymphoid, brain, breast, colon and bladder origin.,

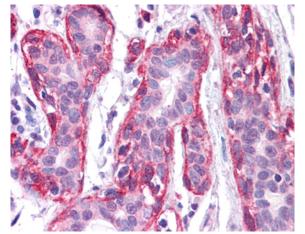
Subcellular Location:

Cytoplasm . Nucleus . Predominantly found in the nucleus, with a small fraction found in the cell periphery.

Expression:

Predominantly expressed in epithelial derived cell lines and tissues, especially normal liver, kidney, breast and colon.

Products Images Western Blot analysis using Rak Monoclonal Antibody against HEK293T cells transfected with the pCMV6-ENTRY control (1) and pCMV6-ENTRY Rak cDNA (2). 62 — 49 — 38 — 17 — 14 — 6 3



Immunohistochemistry analysis of paraffin-embedded human Breast tissues with AEC staining using Rak Monoclonal Antibody.