

A-Raf (phospho Tyr302) Polyclonal Antibody

Catalog No: YP0904

Reactivity: Human; Mouse; Rat

Applications: WB;IHC;IF;ELISA

Target: A-Raf

Fields: >>EGFR tyrosine kinase inhibitor resistance;>>Endocrine resistance;>>MAPK

signaling pathway;>>ErbB signaling pathway;>>FoxO signaling

pathway;>>Vascular smooth muscle contraction;>>Natural killer cell mediated cytotoxicity;>>Long-term potentiation;>>Serotonergic synapse;>>Long-term

depression;>>Regulation of actin cytoskeleton;>>Insulin signaling

pathway;>>Progesterone-mediated oocyte maturation;>>Parathyroid hormone

synthesis, secretion and action;>>Alzheimer disease;>>Pathways of

neurodegeneration - multiple diseases;>>Alcoholism;>>Hepatitis C;>>Hepatitis B;>>Pathways in cancer;>>Proteoglycans in cancer;>>Chemical carcinogenesis -

reactive oxygen species;>>Colorectal cancer;>>Renal cell

carcinoma;>>Pancreatic cancer;>>Endometrial cancer;>>Glioma;>>Prostate cancer;>>Melanoma;>>Bladder cancer;>>Chronic myeloid leukemia;>>Acute

myeloid leukemia;>>Non-small cell lung cancer;>>Breast cancer;>>Hepatocellular carcinoma;>>Gastric cancer

Gene Name: ARAF

Protein Name: Serine/threonine-protein kinase A-Raf

Human Gene Id: 369

Human Swiss Prot P10398

No:

Mouse Gene Id: 11836

Mouse Swiss Prot

No:

P04627

Rat Gene ld: 64363

Rat Swiss Prot No: P14056

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Immunogen: The antiserum was produced against synthesized peptide derived from human A-

RAF around the phosphorylation site of Tyr302. AA range:276-325

Specificity: Phospho-A-Raf (Y302) Polyclonal Antibody detects endogenous levels of A-Raf

protein only when phosphorylated at Y302.

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

Source : Polyclonal, Rabbit, IgG

Dilution: WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:20000. Not

yet tested in other applications.

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

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

Observed Band: 68kD

Cell Pathway: Regulation of Actin Dynamics; ErbB/HER; Cell Growth

Background: This proto-oncogene belongs to the RAF subfamily of the Ser/Thr protein kinase

family, and maybe involved in cell growth and development. Alternatively spliced

transcript variants encoding different isoforms have been found for this

gene.[provided by RefSeq, Jan 2012],

Function: catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Binds 2

zinc ions per subunit.,function:Involved in the transduction of mitogenic signals from the cell membrane to the nucleus.,similarity:Belongs to the protein kinase superfamily.,similarity:Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family. RAF subfamily.,similarity:Contains 1 phorbol-ester/DAG-type zinc finger.,similarity:Contains 1 protein kinase domain.,similarity:Contains 1

RBD (Ras-binding) domain., subunit:Interacts with TH1L/NELFD., tissue

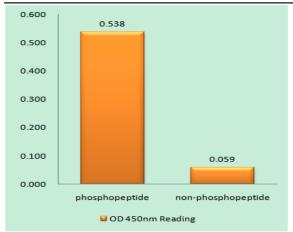
specificity:Predominantly in urogenital tissues.,

Subcellular Location :

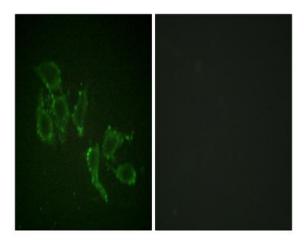
intracellular, mitochondrion, cytosol,

Expression : Predominantly in urogenital tissues.

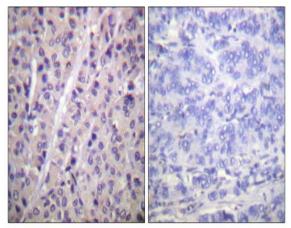
Products Images



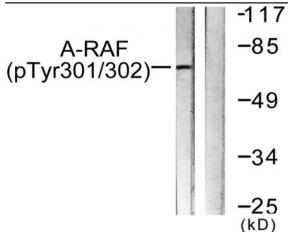
Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using A-RAF (Phospho-Tyr302) Antibody



Immunofluorescence analysis of HepG2 cells, using A-RAF (Phospho-Tyr302) Antibody. The picture on the right is blocked with the phospho peptide.



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using A-RAF (Phospho-Tyr302) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from HeLa cells treated with PMA 125ng/ml 30', using A-RAF (Phospho-Tyr302) Antibody. The lane on the right is blocked with the phospho peptide.

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