

A-Raf Polyclonal Antibody

Catalog No: YT0304

Reactivity: Human; Mouse; Rat; Monkey

Applications: WB;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

No:

Mouse Gene Id: 11836

Mouse Swiss Prot

No:

P04627

P10398

Rat Gene ld: 64363

Rat Swiss Prot No: P14056



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

RAF. AA range:241-290

Specificity: A-Raf Polyclonal Antibody detects endogenous levels of A-Raf protein.

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. 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

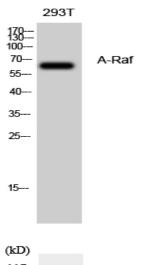
specificity:Predominantly in urogenital tissues.,

Subcellular Location:

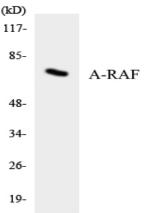
intracellular, mitochondrion, cytosol,

Expression : Predominantly in urogenital tissues.

Products Images



Western Blot analysis of 293T cells using A-Raf Polyclonal Antibody diluted at 1:500



Western blot analysis of the lysates from HeLa cells using A-RAF antibody.