

## A-Raf (phospho Ser299) Polyclonal Antibody

Catalog No: YP1037

**Reactivity:** Human; Mouse; Rat

**Applications:** 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** 

P04627

No:

Rat Gene ld: 64363

Rat Swiss Prot No: P14056



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

RAF around the phosphorylation site of Ser299. AA range:266-315

**Specificity:** Phospho-A-Raf (S299) Polyclonal Antibody detects endogenous levels of A-Raf

protein only when phosphorylated at S299.

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

Source: Polyclonal, Rabbit, IgG

**Dilution:** IHC 1:100 - 1:300. ELISA: 1:5000.. IF 1:50-200

**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)

Molecularweight: 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

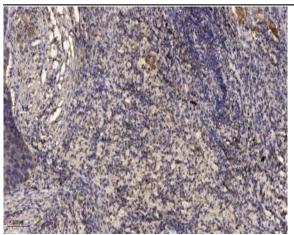
specificity:Predominantly in urogenital tissues.,

Subcellular Location:

intracellular, mitochondrion, cytosol,

**Expression :** Predominantly in urogenital tissues.

## **Products Images**



Immunohistochemical analysis of paraffin-embedded human Squamous cell carcinoma of lung. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).