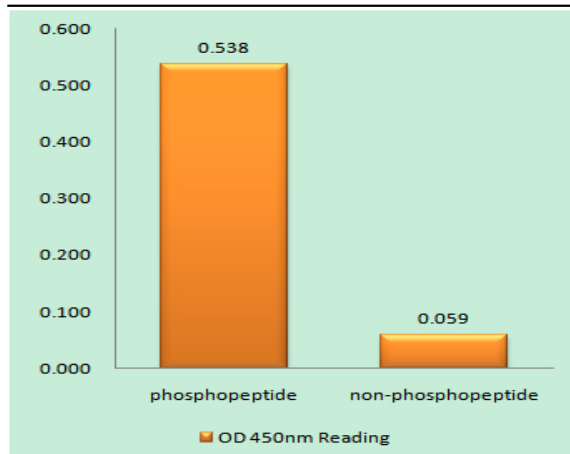


**A-Raf (phospho Tyr302) Polyclonal Antibody**

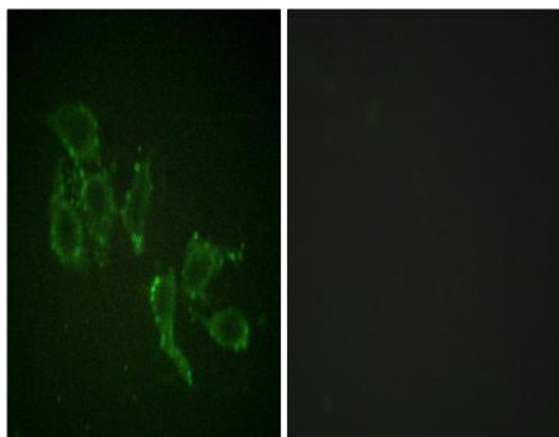
<b>Catalog No :</b>	YP0904
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	A-Raf
<b>Fields :</b>	>>EGFR tyrosine kinase inhibitor resistance;>>Endocrine resistance;>>MAPK signaling pathway;>>ErbB signaling pathway;>>FoxO signaling pathway;>>Vascular smooth muscle 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
<b>Gene Name :</b>	ARAF
<b>Protein Name :</b>	Serine/threonine-protein kinase A-Raf
<b>Human Gene Id :</b>	369
<b>Human Swiss Prot No :</b>	P10398
<b>Mouse Gene Id :</b>	11836
<b>Mouse Swiss Prot No :</b>	P04627
<b>Rat Gene Id :</b>	64363
<b>Rat Swiss Prot No :</b>	P14056

<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human A-RAF around the phosphorylation site of Tyr302. AA range:276-325
<b>Specificity :</b>	Phospho-A-Raf (Y302) Polyclonal Antibody detects endogenous levels of A-Raf protein only when phosphorylated at Y302.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:20000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	68kD
<b>Cell Pathway :</b>	Regulation of Actin Dynamics; ErbB/HER; Cell Growth
<b>Background :</b>	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],
<b>Function :</b>	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.,
<b>Subcellular Location :</b>	intracellular,mitochondrion,cytosol,
<b>Expression :</b>	Predominantly in urogenital tissues.

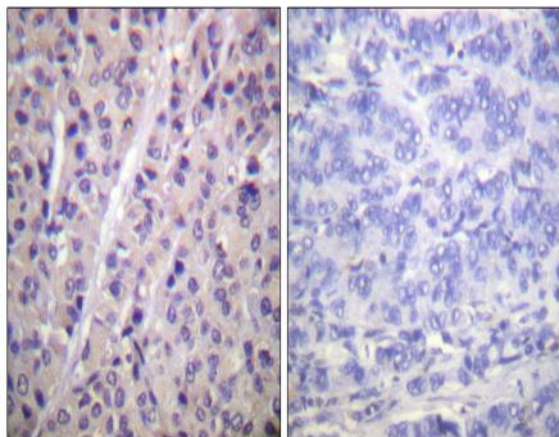
## Products Images



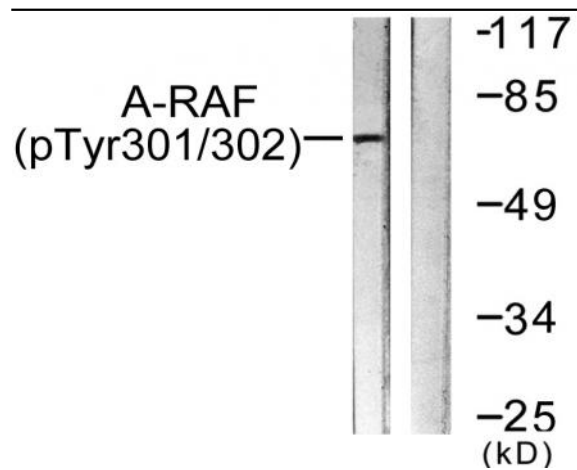
Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using A-RAF (Phospho-Tyr302) Antibody



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.