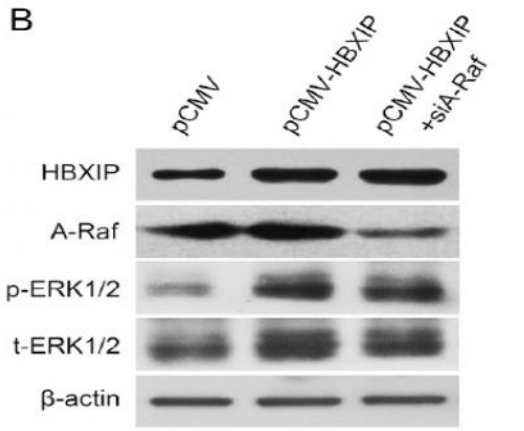
Best Tools for immunology Research

A-Raf Polyclonal Antibody

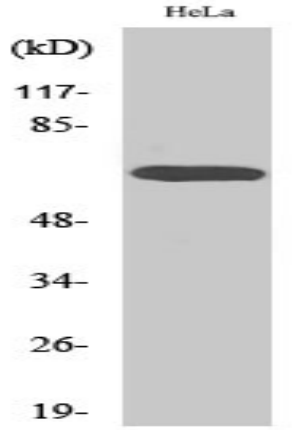
Catalog No :	YT0303
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	A-Raf
Fields :	>>EGFR tyrosine kinase inhibitor resistance;>>Endocrine resistance;>>MAPK signaling pathway;>>ErbB signaling pathway;>>FoxO signaling pathway;>>Vascular smooth muscle contraction;>>Natural killer cell 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 No :	P10398
Mouse Gene Id :	11836
Mouse Swiss Prot No :	P04627
Rat Gene Id :	64363
Rat Swiss Prot No :	P14056

Immunogen :	The antiserum was produced against synthesized peptide derived from human A-RAF. AA range:276-325
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. IHC 1:100 - 1:300. ELISA: 1:20000.. 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)
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.

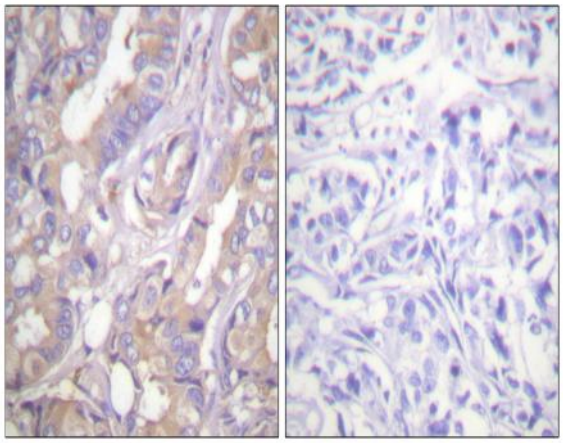
Products Images



Western blot analysis in MCF-7 cells transfected with siA-Raf. Cancer Letters 355 (2014) 288–296



Western Blot analysis of various cells using A-Raf Polyclonal Antibody



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using A-RAF Antibody. The picture on the right is blocked with the synthesized peptide.