



# A-Raf (phospho Tyr302) Polyclonal Antibody

<b>Catalog No</b>	BYab-14521
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Gene Name</b>	ARAF
<b>Protein Name</b>	Serine/threonine-protein kinase A-Raf
<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>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	ARAF; ARAF1; PKS; PKS2; Serine/threonine-protein kinase A-Raf; Proto-oncogene A-Raf; Proto-oncogene A-Raf-1; Proto-oncogene Pks
<b>Observed Band</b>	68kD
<b>Cell Pathway</b>	intracellular,mitochondrion,cytosol,
<b>Tissue Specificity</b>	Predominantly in urogenital tissues.
<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.,

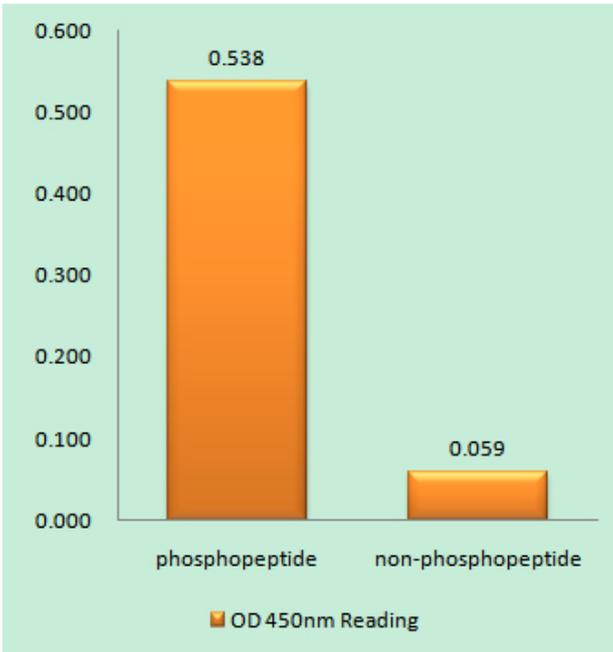
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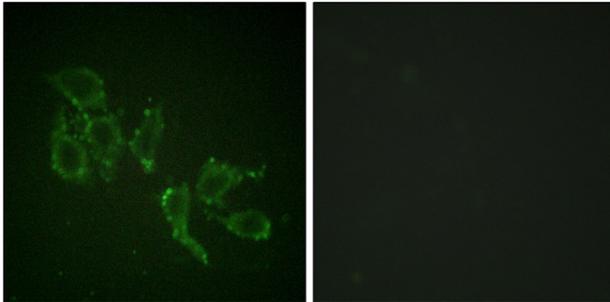
<b>Background</b>	This proto-oncogene belongs to the RAF subfamily of the Ser/Thr protein kinase family, and maybe involved in cell growth and development. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Jan 2012],
<b>matters needing attention</b>	Avoid repeated freezing and thawing!
<b>Usage suggestions</b>	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



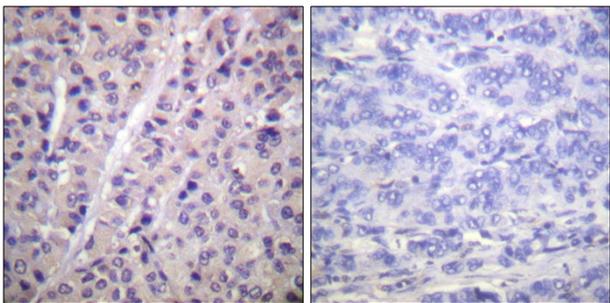
## Products Images



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

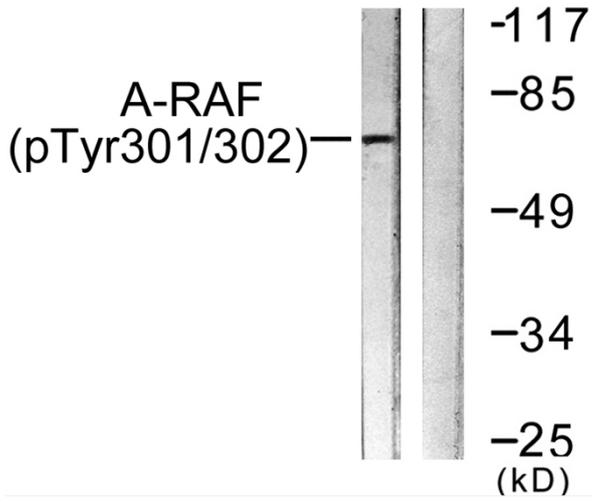


Immunofluorescence analysis of HepG2 cells, using A-RAF (Phospho-Tyr302) Antibody. The picture on the right is blocked with the phospho peptide.



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.

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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.