

Rabbit anti-Human RAF1-S621 Antibody | anti-RAF1 antibody

Phospho-RAF1-S621 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA36781	Rabbit	Human	Immunofluorescence, Western Blot

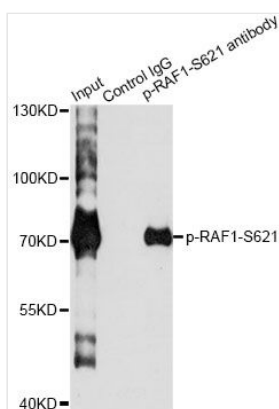
PRODUCT SYNONYMS

RAF1-S621; Phospho-RAF1-S621 Polyclonal Antibody; Phospho-RAF1-S621: NS5; CRAF; Raf-1; c-Raf; anti-RAF1 antibody

PRODUCT SPECIFICATIONS

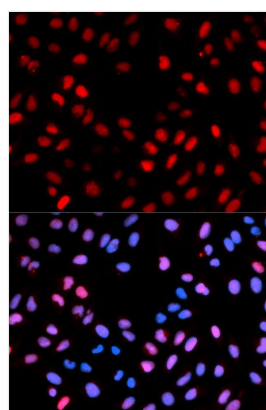
Host	Rabbit
Reactivity	Human
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	648
Applicable Applications for anti-RAF1 antibody	IF (Immunofluorescence), WB (Western Blot)
Species	Human
Route	Synthetic Peptide
Immunogen	A phospho specific peptide corresponding to residues surrounding S621 of human RAF1
Calculated Molecular Weight	73kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

IMAGES



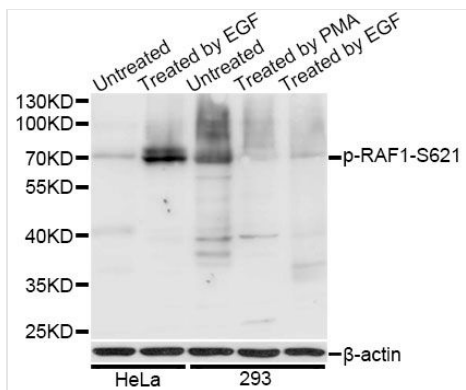
IP (Immunoprecipitation)

Immunoprecipitation analysis of 200ug extracts of HeLa cells treated by EGF using 2.5ug Phospho-RAF1-S621 antibody. Western blot was performed from the immunoprecipitate using Phospho-RAF1-S621 antibody at a dilution of 1:1000.



IF (Immunofluorescence)

Immunofluorescence analysis of U2OS cells using Phospho-RAF1-S621 antibody. Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of HeLa and 293T cells, using Phospho-RAF1-S621 antibody at 1:1000 dilution. HeLa cells were treated by EGF (100ng/ml) for 30 minutes after serum-starvation overnight. 293T cells were treated by PMA/TPA (200nM) for 30 minutes or treated by EGF (25ug/ml) for 30 minutes after serum-starvation overnight. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% BSA.

ADDITIONAL INFORMATION

Related Product Information for anti-RAF1 antibody	This gene is the cellular homolog of viral raf gene (v-raf). The encoded protein is a MAP kinase kinase kinase (MAP3K), which functions downstream of the Ras family of membrane associated GTPases to which it binds directly. Once activated, the cellular RAF1 protein can phosphorylate to activate the dual specificity protein kinases MEK1 and MEK2, which in turn phosphorylate to activate the serine/threonine specific protein kinases, ERK1 and ERK2. Activated ERKs are pleiotropic effectors of cell physiology and play an important role in the control of gene expression involved in the cell division cycle, apoptosis, cell differentiation and cell migration. Mutations in this gene are associated with Noonan syndrome 5 and LEOPARD syndrome 2.
Product Categories/Family for anti-RAF1 antibody	Phosphorylation

NCBI AND UNIPROT INFORMATION

NCBI GI #	125651
NCBI GeneID	5894
UniProt Accession #	P04049 ; Q15278 ; Q9UC20 ; B0LPH8 ; B2R5N3
Molecular Weight	648
NCBI Official Full Name	RAF proto-oncogene serine/threonine-protein kinase
NCBI Official Synonym Full Names	Raf-1 proto-oncogene, serine/threonine kinase
NCBI Official Symbol	RAF1
NCBI Official Synonym Symbols	NS5; CRAF; Raf-1; c-Raf; CMD1NN
NCBI Protein Information	RAF proto-oncogene serine/threonine-protein kinase; Oncogene RAF1; proto-oncogene c-RAF; C-Raf proto-oncogene, serine/threonine kinase; v-raf-1 murine leukemia viral oncogene homolog 1; raf proto-oncogene serine/threonine protein kinase
UniProt Protein Name	RAF proto-oncogene serine/threonine-protein kinase
UniProt Gene Name	RAF1
UniProt Synonym Gene Names	RAF; cRaf
UniProt Entry Name	RAF1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/rabbit-human-antibody/raf1-s621/36781>