Datasheet for ABIN3019551

anti-RAF1 antibody (pSer621)

4 Images

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Overview

Quantity:	100 µL
Target:	RAF1
Binding Specificity:	pSer621
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RAF1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)

Product Details

Immunogen:	A synthetic phosphorylated peptide around S621 of human Phospho-Raf1-S621 (NP_002871.1).
Sequence:	SASEP
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Phosphorylated Antibodies

Target Details

Target:	RAF1
Alternative Name:	RAF1 (RAF1 Products)

Target Details

Background:	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.,CMD1NN,CRAF,NS5,Raf-1,c-Raf,RAF1,Cancer,Signal Transduction,G protein signaling,G2/M DNA Damage Checkpoint,Kinase,Serine/threonine kinases,ErbB-HER Signaling Pathway,MAPK-Erk Signaling Pathway,Cell Biology & Developmental Biology,Apoptosis,Inhibition of Apoptosis,Growth factor,ESC Pluripotency and Differentiation,Endocrine & Metabolism,Mitochondrial metabolism,Mitochondrial markers,Insulin Receptor Signaling Pathway,Immunology & Inflammation,B Cell Receptor Signaling Pathway,T Cell Receptor Signaling Pathway,IL-6 Receptor Signaling Pathway,Neuroscience,Protein phosphorylation,RAF1
Molecular Weight:	73 kDa/75 kDa
Gene ID:	5894
UniProt:	P04049
Pathways:	MAPK Signaling, RTK Signaling, Fc-epsilon Receptor Signaling Pathway, Neurotrophin Signaling Pathway, cAMP Metabolic Process, Stem Cell Maintenance, Hepatitis C, Autophagy, Signaling of Hepatocyte Growth Factor Receptor, VEGF Signaling, BCR Signaling

Application Details

Application Notes:	WB,1:500 - 1:2000,IP,1:50 - 1:100
Restrictions:	For Research Use only

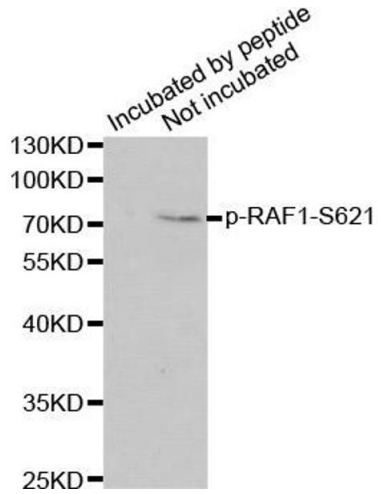
Handling

Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

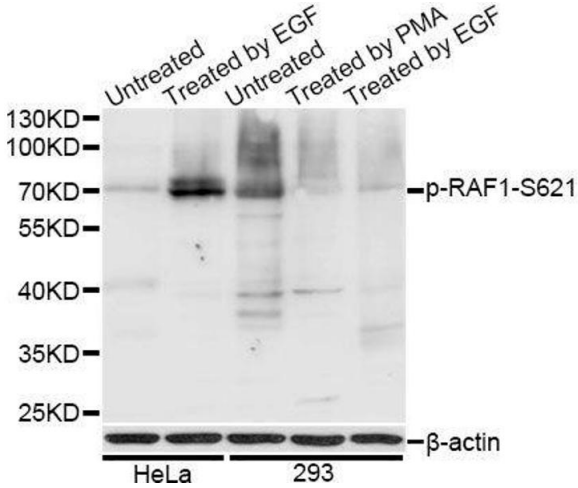
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



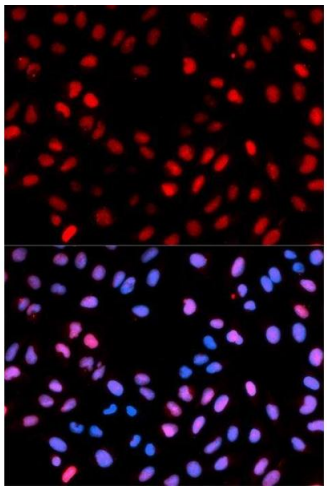
Western Blotting

Image 1.



Western Blotting

Image 2. Western blot analysis of extracts of HeLa and 293T cells, using Phospho-RAF1-S621 antibody.



Immunofluorescence

Image 3. Immunofluorescence analysis of U2OS cells using Phospho-RAF1-S621 antibody.

Please check the product details page for more images. Overall 4 images are available for ABIN3019551.