OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for AM00131PU-N

RAF1 pSer621 Mouse Monoclonal Antibody [Clone ID: 6B4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	6B4
Applications:	ELISA, WB
Recommended Dilution:	**Western Blot:** 0.5 µg/ml for HRPO/ECL detection. ***Recommended blocking buffer:*** Casein/Tween 20 based blocking and blot incubation buffer. **ELISA:** 0.05 µg/ml.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Synthetic phosphopeptide conjugated to KLH. **Epitope:** Phosphoserine 621
Specificity:	This antibody Clone 6B4 specifically recognizes c-raf phosphorylated at Serine 621. The antibody is an important tool to analyse the contribution of the Serine 621 phosphorylation site to c-raf activity.
Formulation:	1ml 2 x PBS containing 0.09% Sodium Azide / PEG and Sucrose State: Purified State: Lyophilized purified IgG fraction from serum-free cell Culture Supernatant
Reconstitution Method:	Restore with 1 ml H2O (15 min, RT).
Purification:	Size Exclusion Chromatography
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	74 kDa
Gene Name:	Raf-1 proto-oncogene, serine/threonine kinase

View online »

Database Link:	Entrez Gene 5894 Human P04049
Background:	The c-raf protein is an important kinase in the transmission of extracellular stimuli to the nucleus. Mitogenic stimulaton of cells induces hyperphosphorylation of c-raf in multiple serine, threonine and tyrosine residues. Phosphorylation of serines 43, 259 and 621 has been implicated in the negative regulation of raf. Phosphorylation of serine 43 interferes with ras binding, serine 259 and serine 621 represent binding sites for the 14-3-3 proteins.
Synonyms:	C-RAF, Raf-1, cRaf
Protein Families:	Druggable Genome, Protein Kinase
Protein Pathways:	Acute myeloid leukemia, B cell receptor signaling pathway, Bladder cancer, Chemokine signaling pathway, Chronic myeloid leukemia, Colorectal cancer, Endometrial cancer, ErbB signaling pathway, Fc epsilon RI signaling pathway, Fc gamma R-mediated phagocytosis, Focal adhesion, Gap junction, Glioma, GnRH signaling pathway, Insulin signaling pathway, Long-term depression, Long-term potentiation, MAPK signaling pathway, Melanogenesis, Melanoma, Natural killer cell mediated cytotoxicity, Neurotrophin signaling pathway, Non-small cell lung cancer, Pancreatic cancer, Pathways in cancer, Progesterone-mediated oocyte maturation, Prostate cancer, Regulation of actin cytoskeleton, Renal cell carcinoma, T cell receptor signaling pathway, Vascular smooth muscle contraction, VEGF signaling pathway