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[Marker Primary Antibody]

Rabbit Anti-RBBP6/AF647 Conjugated antibody

Catalog Number: SL1483R-AF647

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-RBBP6/AF647
Immunogen:	KLH conjugated synthetic peptide derived from humna P2PR
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse(predicted:Human,Rat)
Background:	background: he retinoblastoma tumor suppressor (pRB) protein binds with many other proteins. In various human cancers, pRB suppresses cellular proliferation and is inactivated. Cell cycle-dependent phosphorylation regulates the activity of pRB. This gene encodes a protein which binds to underphosphorylated but not phosphorylated pRB. Multiple alternatively spliced transcript variants that encode different isoforms have been found for this gene. [provided by RefSeq, Jul 2008] **Function:** E3 ubiquitin-protein ligase which promotes ubiquitination of YBX1, leading to its degradation by the proteasome. May play a role as a scaffold protein to promote the assembly of the p53/TP53-MDM2 complex, resulting in increase of MDM2-mediated ubiquitination and degradation of p53/TP53; may function as negative regulator of p53/TP53, leading to both apoptosis and cell growth. **Subunit:** Interacts with p53/TP53 and RB1. Interacts also with MDM2 and YBX1. Interacts with NEK6.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

	Subcellular Location: Nucleus, nucleolus. Chromosome. Cytoplasm, cytoskeleton, centrosome. Note=Colocalizes with mitotic chromosomes. Co-localizes with NEK6 in the centrosome. **Tissue Specificity:** Highly expressed in the placenta and testis. Expressed at lower levels in the brain, heart, kidney, liver and lung. Overexpressed in esophageal cancer. **Post-translational modifications:** Phosphorylated by NEK6. **Similarity:** Contains 1 CCHC-type zinc finger. Contains 1 DWNN domain. Contains 1 RING-type zinc finger. **Database links:** **Entrez Gene:** 5930 Human **Entrez Gene:** 19647 Mouse **Entrez Gene:** 308968 Rat Omim: 600938 Human **SwissProt:** Q7Z6E9 Human **SwissProt:** P97868 Mouse **Unigene:** 188553 Human **Unigene:** 4480 Mouse Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. Signaling Intermediates P2P-P, also known as PACT, i.e., P53 associated cellular protein-testes derived. P2P-P protein is a negative regulator of p53 and plays an important role in cell growth and embryonic development, cell differentiation, pre-mRNA splicing, cell cycle arrest, and apoptosis.