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RBBP6 Rabbit pAb

Catalog # AP99700

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q7Z6E9
Other Accession	Q7Z6E9
Reactivity	Mouse
Predicted	Rat, Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	201564
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human RBBP6
Epitope Specificity	2-150/1792
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 1 CCHC-type zinc finger. Contains 1 DWNN domain. Contains 1 RING-type zinc finger.
SUBUNIT	Interacts with p53/TP53 and RB1. Interacts also with MDM2 and YBX1. Interacts with NEK6.
Post-translational modifications	Phosphorylated by NEK6.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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]

Additional Information

Gene ID	5930
Other Names	MY038; P2P-R; PACT; RBQ-1; SNAMA; 4933422O15Rik; C030034J04Rik; RBBP6_HUMAN; RBBP6; Proliferation potential-related protein; Protein P2P-R; RING-type E3 ubiquitin transferase RBBP6; Retinoblastoma-binding Q protein 1 (RBQ-1); Retinoblastoma-binding protein 6; p53-associated cellular protein of testis; 2.3.2.27; P2PR; RBQ1; RBBP6_MOUSE; RB binding protein 6, ubiquitin ligase; retinoblastoma binding protein 6
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	RBBP6
Synonyms	P2PR, PACT, RBQ1
Function	E3 ubiquitin-protein ligase which promotes ubiquitination of YBX1, leading to its degradation by the proteasome (PubMed:18851979). 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 (By similarity). Regulates DNA-replication and the stability of chromosomal common fragile sites (CFSs) in a ZBTB38- and MCM10-dependent manner. Controls ZBTB38 protein stability and abundance via ubiquitination and proteasomal degradation, and ZBTB38 in turn negatively regulates the expression of MCM10 which plays an important role in DNA-replication (PubMed:24726359).
Cellular Location	Nucleus, nucleolus. Chromosome. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome Note=Colocalizes with mitotic chromosomes. Colocalizes with NEK6 in the centrosome
Tissue Location	Highly expressed in the placenta and testis. Expressed at lower levels in the brain, heart, kidney, liver and lung Overexpressed in esophageal cancer.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.