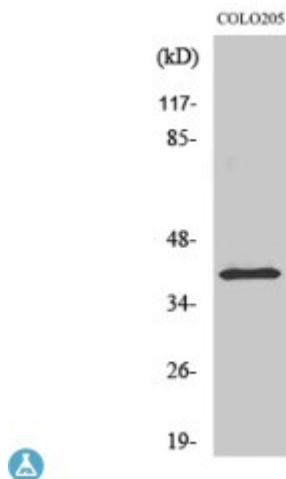


Anti-p53R2 antibody



Description	Rabbit polyclonal to p53R2.
Model	STJ94908
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, WB
Immunogen	Synthesized peptide derived from human p53R2.
Immunogen Region	Internal
Gene ID	50484
Gene Symbol	RRM2B
Dilution range	WB 1:500-1:2000ELISA 1:40000
Specificity	p53R2 Polyclonal Antibody detects endogenous levels of p53R2 protein.
Tissue Specificity	Widely expressed at a high level in skeletal muscle and at a weak level in thymus. Expressed in epithelial dysplasias and squamous cell carcinoma.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Ribonucleoside-diphosphate reductase subunit M2 B TP53-inducible ribonucleotide reductase M2 B p53-inducible ribonucleotide reductase small subunit 2-like protein p53R2
Molecular Weight	40 kDa

Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:17296OMIM:604712
Alternative Names	Ribonucleoside-diphosphate reductase subunit M2 B TP53-inducible ribonucleotide reductase M2 B p53-inducible ribonucleotide reductase small subunit 2-like protein p53R2
Function	Plays a pivotal role in cell survival by repairing damaged DNA in a p53/TP53-dependent manner. Supplies deoxyribonucleotides for DNA repair in cells arrested at G1 or G2. Contains an iron-tyrosyl free radical center required for catalysis. Forms an active ribonucleotide reductase (RNR) complex with RRM1 which is expressed both in resting and proliferating cells in response to DNA damage.
Cellular Localization	Cytoplasm. Nucleus. Translocates from cytoplasm to nucleus in response to DNA damage.

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