

Product datasheet for **TA327292**

p63 (TP63) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB 1:500 - 1:2000
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant protein of human TP63
Formulation:	Store at -20C or -80C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	77 kDa
Gene Name:	tumor protein p63
Database Link:	NP_003713 Entrez Gene 246334 Rat Entrez Gene 8626 Human Q9H3D4



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Background:

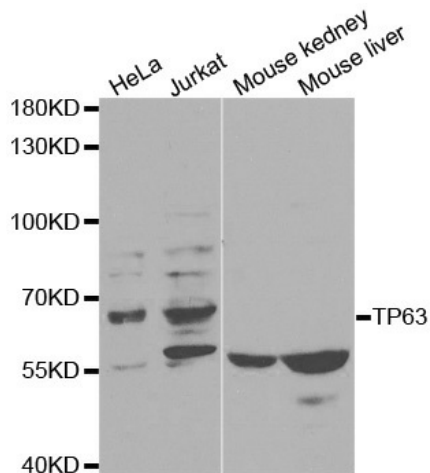
The p53 tumor suppressor protein plays a major role in cellular response to DNA damage and other genomic aberrations. Activation of p53 can lead to either cell cycle arrest and DNA repair or apoptosis. In addition to p53, mammalian cells contain two p53 family members, p63 and p73, which are similar to p53 in both structure and function. While p63 can induce p53-responsive genes and apoptosis, mutation of p63 rarely results in tumors. Amplification of the p63 gene is frequently observed in squamous cell carcinomas of the lung, head and neck. The p63 gene contains an alternative transcription initiation site that yields a 40 kDa deltaNp63 lacking the transactivation domain, and alternative splicing at the carboxy-terminus yields the alpha, beta and gamma isoforms.

Synonyms:

AIS; B(p51A); B(p51B); EEC3; KET; LMS; NBP; OFC8; p40; p51; p53CP; p63; p73H; p73L; RHS; SHFM4

Protein Families:

Druggable Genome, Transcription Factors

Product images:

Western blot analysis of extracts of various cell lines, using TP63 antibody.