

Product datasheet for **TA324825S**

p53 (TP53) Rabbit Polyclonal Antibody

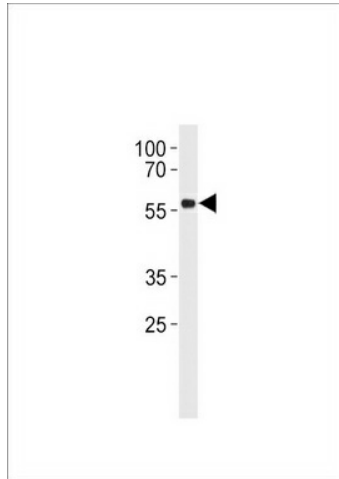
Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1:1000, IHC: 1:10~50, IF: 1:10~50
Reactivity:	Human (Predicted: Monkey)
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	This p53 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 293-322 amino acids from human p53.
Formulation:	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Concentration:	lot specific
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	43653 Da
Gene Name:	tumor protein p53
Database Link:	NP_000537 Entrez Gene 716170 Monkey Entrez Gene 7157 Human P04637
Synonyms:	BCC7; LFS1; P53; TRP53
Protein Families:	Druggable Genome, Stem cell - Pluripotency, Transcription Factors
Protein Pathways:	Amyotrophic lateral sclerosis (ALS), Apoptosis, Basal cell carcinoma, Bladder cancer, Cell cycle, Chronic myeloid leukemia, Colorectal cancer, Endometrial cancer, Glioma, Huntington's disease, MAPK signaling pathway, Melanoma, Neurotrophin signaling pathway, Non-small cell lung cancer, p53 signaling pathway, Pancreatic cancer, Pathways in cancer, Prostate cancer, Small cell lung cancer, Thyroid cancer, Wnt signaling pathway

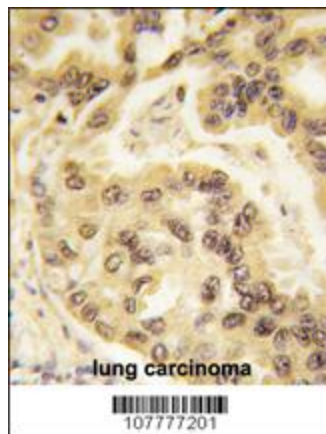


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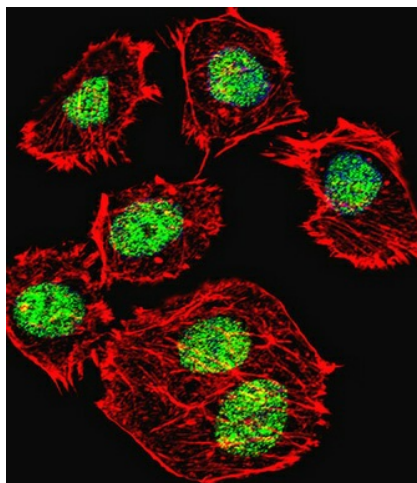
Product images:



p53 Antibody (S315) (Cat. #[TA324825]) western blot analysis in Daudi cell line lysates (35ug/lane). This demonstrates the p53 antibody detected the p53 protein (arrow).



Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with p53 Antibody (S315) (Cat.#[TA324825]), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



IF image of U251 cell stained with p53 Antibody (S315) (Cat#[TA324825]). U251 cells were incubated with p53 primary antibody (1:25, 1 h at 37°C). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:400). Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7 units/ml). Nuclei were counterstained with DAPI (blue). p53 immunoreactivity is localized to Nucleus significantly.