

Product datasheet for **TA326387**

p53 (TP53) Mouse Monoclonal Antibody [Clone ID: Pab 1801]

Product data:

Product Type:	Primary Antibodies
Clone Name:	Pab 1801
Applications:	IHC, WB
Recommended Dilution:	WB: 1:1000-1:2000, IP: 10ug/mg, IHC: 1:100-1:250
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Fusion protein (Human), amino acids 46-53
Formulation:	PBS pH7.4, 50% glycerol, 0.09% sodium azide
Concentration:	lot specific
Purification:	Protein G Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	tumor protein p53
Database Link:	NP_000537 Entrez Gene 7157 Human P04637

Background: The p53 protein (tumor protein 53 or TP53) is a DNA-binding cell cycle-regulating transcription factor that governs cell division and the fine balance between cell death and cell survival . P53 plays a critical role in tumor suppression and hence it is often described as the guardian of the genome, the guardian angel gene, or the master watchman. This also refers to its role in conserving stability by preventing genome mutation . Defects in p53 are linked to >50% of human cancers, and restoring p53 function to these cancer cells can induce growth arrest and apoptosis . When p53 has been damaged, it can also lead to autoimmune disorders .

Synonyms: BCC7; LFS1; P53; TRP53



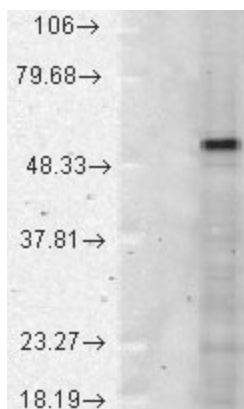
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Note: Detects ~53kDa.

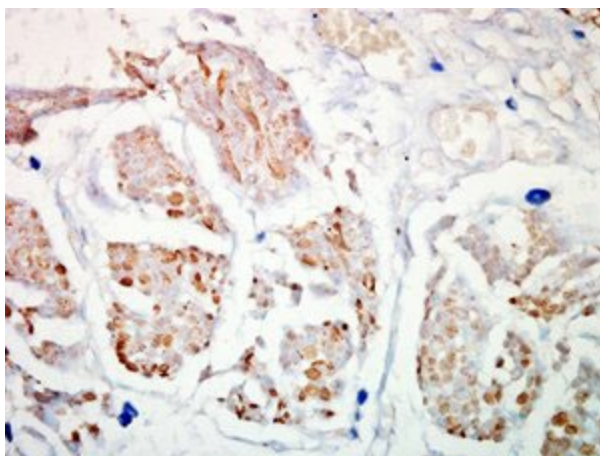
Protein Families: Druggable Genome, Stem cell - Pluripotency, Transcription Factors

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

Product images:



Western blot analysis of p52 in HeLa cell lysates using a 1:1000 dilution of the antibody



IHC analysis of p53 in human esophagus cancer cells using a 1:50,000 dilution of the antibody