

Anti-p53 Antibody (7T648)

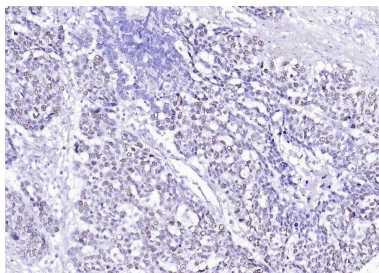
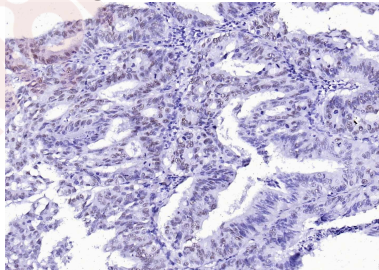
Product Details

Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 53 kDa. Actual: 53 kDa.
Clone:	7T648
Purification:	Protein G purified

Applications

Verified Activity:

1. Paraformaldehyde-fixed, paraffin embedded (human colon carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (P53) Monoclonal Antibody, Unconjugated (TMAB-01318) at 1:500 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.
2. Paraformaldehyde-fixed, paraffin embedded (Human esophageal cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (P53) Monoclonal Antibody, Unconjugated (TMAB-01318) at 1:500 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.



Application: IF,IHC-Fr,IHC-P,WB

Recommended IF=1:500-2000; IHC-Fr=1:500-2000; IHC-P=1:500-2000; WB=1:500-2000

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human p53

Antigen Species: Human

Gene ID: 7157

Uniprot ID: P04637

Biology Area: p53 pathway,p53 pathway,p53 Pathway,p53,p53,p53,Tumor Suppressors

Research Background

This gene encodes a tumor suppressor protein containing transcriptional activation, DNA binding, and oligomerization domains. The encoded protein responds to diverse cellular stresses to regulate expression of target genes, thereby inducing cell cycle arrest, apoptosis, senescence, DNA repair, or changes in metabolism. Mutations in this gene are associated with a variety of human cancers, including hereditary cancers such as Li-Fraumeni syndrome. Alternative splicing of this gene and the use of alternate promoters result in multiple transcript variants and isoforms. Additional isoforms have also been shown to result from the use of alternate translation initiation codons (PMIDs: 12032546, 20937277). [provided by RefSeq, Feb 2013].

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