



## p53 Polyclonal Antibody

E20-75694

**Catalog No:**E20-75694

**Applications:**WB,IHC-p,ELISA

**Reactivity:**Human

**Gene Name:**TP53

**Protein Name:**Cellular tumor antigen p53

**Human Gene Id:**7157

**Human Swiss Prot No:**P04637

**Mouse Swiss Prot No:**P02340

**Immunogen:**Synthesized peptide derived from the Internal region of human p53.

**Specificity:**p53 Polyclonal Antibody detects endogenous levels of p53 protein.

**Formulation:**Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

**Source:**Rabbit

**Dilution:**Western Blot: 1/500 - 1/2000. IHC-p: 1:100-1:300. ELISA: 1/10000. Not yet tested in other applications.

**Purification:**The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

**Concentration:**1 mg/ml

**Storage Stability:**-20°C/1 year

**Other Names:**TP53; P53; Cellular tumor antigen p53; Antigen NY-CO-13; Phosphoprotein p53; Tumor suppressor p53

**Observed Band(KD):**53

**Background:**tumor protein p53(TP53) Homo sapiens This gene encodes a tumor suppressor protein containing transcriptional activation, DNA binding, and oligomerization domains.

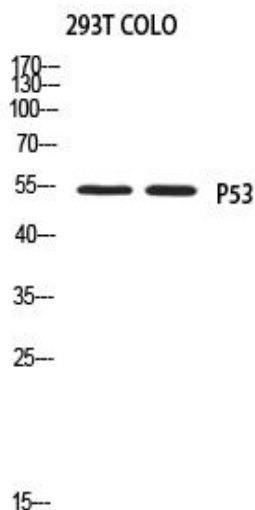
**Function:**cofactor: Binds 1 zinc ion per subunit.,disease: Defects in TP53 are a cause of choroid plexus papilloma [MIM:260500]. Choroid plexus papilloma is a slow-growing

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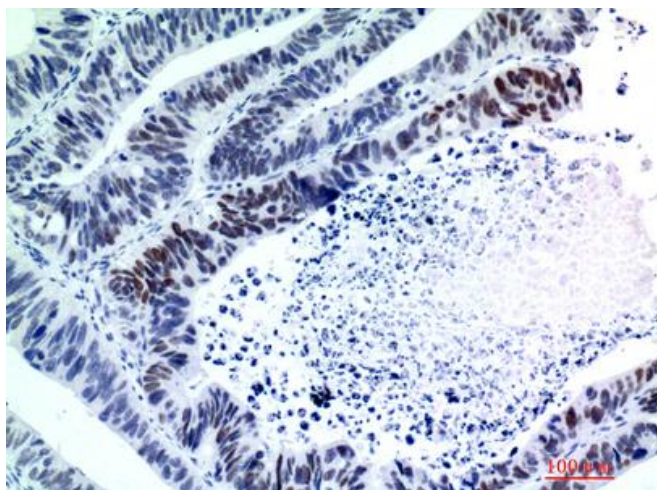
benign tumor of the choroid plexus that often invades the leptomeninges.

**Subcellular Location:** nuclear chromatin, nucleus, nucleoplasm, replication fork, transcription factor TFIID complex, nucleolus, cytoplasm, mitochondrion, mitochondrial matrix, endoplasmic reticulum, cytosol, integral component of membrane, nuclear matrix.

**Expression:** Blood, Brain, Classical Hodgkin Lymphoma, Esophageal squamous cell carcinoma, Glial cell.



Western blot analysis of 293T, COLO using P53 antibody. Antibody was diluted at 1:1000. Secondary antibody was diluted at 1:20000.



Immunohistochemical analysis of paraffin-embedded human colon cancer, antibody was diluted at 1:200.