

**P53 (ABT239R) rabbit mAb**

<b>Catalog No :</b>	YM7278
<b>Reactivity :</b>	Human;
<b>Applications :</b>	IHC;WB; ELISA
<b>Target :</b>	p53
<b>Fields :</b>	>>Endocrine resistance;>>Platinum drug resistance;>>MAPK signaling pathway;>>Sphingolipid signaling pathway;>>Cell cycle;>>p53 signaling pathway;>>Mitophagy - animal;>>PI3K-Akt signaling pathway;>>Apoptosis;>>Longevity regulating pathway;>>Ferroptosis;>>Cellular senescence;>>Wnt signaling pathway;>>Neurotrophin signaling pathway;>>Thyroid hormone signaling pathway;>>Parkinson disease;>>Amyotrophic lateral sclerosis;>>Huntington disease;>>Shigellosis;>>Hepatitis C;>>Hepatitis B;>>Measles;>>Human cytomegalovirus infection;>>Human papillomavirus infection;>>Human T-cell leukemia virus 1 infection;>>Kaposi sarcoma-associated herpesvirus infection;>>Herpes simplex virus 1 infection;>>Epstein-Barr virus infection;>>Pathways in cancer;>>Transcriptional misregulation in cancer;>>Viral carcinogenesis;>>Proteoglycans in cancer;>>MicroRNAs in cancer;>>Colorectal cancer;>>Pancreatic cancer;>>Endometrial cancer;>>Glioma;>>Prostate cancer;>>Thyroid cancer;>>Basal cell carcinoma;>>Melanoma;>>Bladder
<b>Gene Name :</b>	TP53 P53
<b>Protein Name :</b>	Antigen NY-CO-13;BCC7;Cellular tumor antigen p53;FLJ92943;LFS1;Mutant tumor protein 53;p53;p53 tumor suppressor;P53_HUMAN;Phosphoprotein p53;Tp53;Transformation related protein 53;TRP53;tumor antigen
<b>Human Swiss Prot No :</b>	P04637
<b>Mouse Swiss Prot No :</b>	P02340
<b>Rat Swiss Prot No :</b>	P10361
<b>Immunogen :</b>	Synthesized peptide derived from human P53 AA range:250-393
<b>Specificity :</b>	This antibody detects endogenous levels of p53

**Formulation :** PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA

**Source :** Monoclonal, Rabbit IgG1, Kappa

**Dilution :** IHC 1:100-500, WB 1:500-1000, ELISA 1:5000-20000

**Purification :** Recombinant Expression and Affinity purified

**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)

**Molecularweight :** 43kD

**Background :** tumor protein p53(TP53) Homo sapiens 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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**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 benign tumor of the choroid plexus that often invades the leptomeninges. In children it is usually in a lateral ventricle but in adults it is more often in the fourth ventricle. Hydrocephalus is common, either from obstruction or from tumor secretion of cerebrospinal fluid. If it undergoes malignant transformation it is called a choroid plexus carcinoma. Primary choroid plexus tumors are rare and usually occur in early childhood., disease: Defects in TP53 are a cause of Li-Fraumeni syndrome (LFS) [MIM:151623]. LFS is an autosomal dominant familial cancer syndrome that in its classic form is defined by the existence of a proband affected by a sarcoma before 45 years with a first degree relative affected by any tumor before 45 years a

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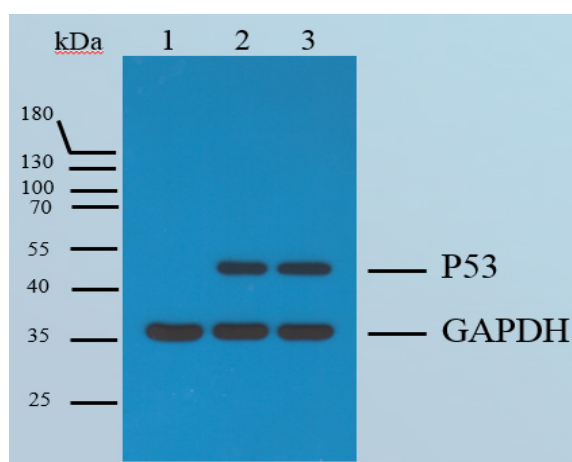
**Subcellular Location :** Nuclear

**Expression :** Ubiquitous. Isoforms are expressed in a wide range of normal tissues but in a tissue-dependent manner. Isoform 2 is expressed in most normal tissues but is not detected in brain, lung, prostate, muscle, fetal brain, spinal cord and fetal liver. Isoform 3 is expressed in most normal tissues but is not detected in lung, spleen, testis, fetal brain, spinal cord and fetal liver. Isoform 7 is expressed in most normal tissues but is not detected in prostate, uterus, skeletal muscle and breast. Isoform 8 is detected only in colon, bone marrow, testis, fetal brain and intestine. Isoform 9 is expressed in most normal tissues but is not detected in brain, heart, lung, fetal liver, salivary gland, breast or intestine.

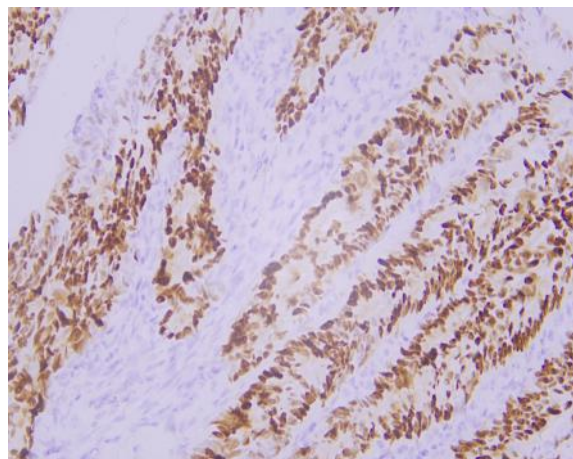
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<b>Tag :</b>	recombinant
<b>Sort :</b>	1
<b>No4 :</b>	1
<b>Host :</b>	Rabbit
<b>Modifications :</b>	Unmodified

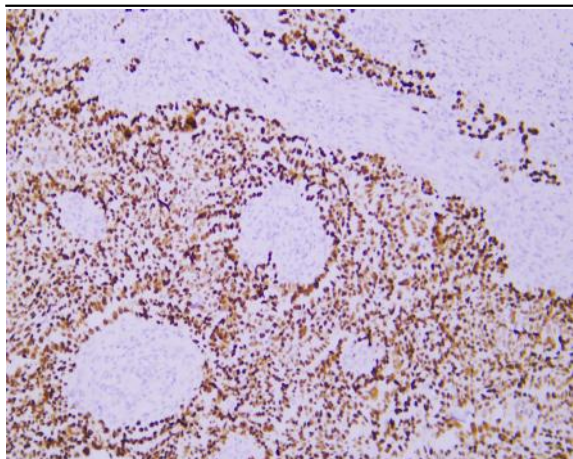
## Products Images



Western blot analysis of lysates from Lane1: P53 knockdown A431 whole cell lysate, 20ug; Lane2: Scramble mimics knockdown A431 whole cell lysate, 20ug; Lane3: Wild type A431 whole cell lysate, 20ug; primary antibody was diluted at 1:1000, 4° over night, secondary antibody(cat:RS0002)was diluted at 1:10000, 37° 1hour. GAPDH mAb (cat:YM3029) antibody was diluted at 1:5000 as loading control, 4° over night,secondary antibody(cat:RS0001)was diluted at 1:10000, 37° 1hour.



Immunohistochemical analysis of paraffin-embedded Human-Colon-carcinoma tissue. 1,p53 Polyclonal Antibody was diluted at 1:200(4°C,overnight). 2, TRIS-EDTA of pH9.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min).



Immunohistochemical analysis of paraffin-embedded Human Ovarian-serous-carcinoma tissue. 1, p53 Polyclonal Antibody was diluted at 1:200 (4°C, overnight). 2, TRIS-EDTA of pH 9.0 was used for antibody retrieval (>98°C, 20min). 3, Secondary antibody was diluted at 1:200 (room temperature, 30min).