

## Product Datasheet

### TP53 Rabbit Polyclonal Antibody (orb573617)

<b>Catalog Number</b>	orb573617
<b>Category</b>	Antibodies
<b>Description</b>	Rabbit polyclonal antibody to p53
<b>Target</b>	TP53
<b>Clonality</b>	Polyclonal
<b>Species/Host</b>	Rabbit
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human
<b>Predicted Reactivity</b>	Bovine, Canine, Equine, Guinea pig, Porcine, Rabbit, Rat, Sheep
<b>Form/Appearance</b>	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
<b>Concentration</b>	0.5 mg/ml
<b>Buffer/Preservatives</b>	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
<b>Purification</b>	Affinity Purified
<b>Immunogen</b>	The immunogen is a synthetic peptide directed towards the N terminal region of human TP53
<b>Protein Sequence</b>	Synthetic peptide located within the following region: EEPQSDPSVEPPLSQETFSDLWKLLPENNVLSPPLSQAMDDLMLSPDDIE
<b>UniProt ID</b>	<b>P04637</b>

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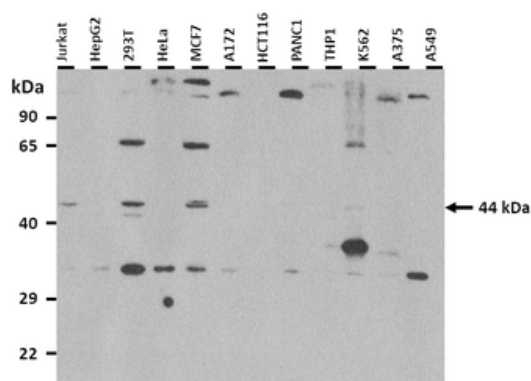
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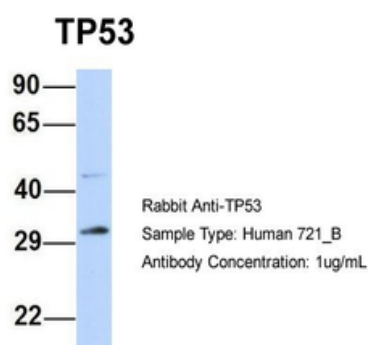
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<b>MW</b>	44 kDa
<b>Tested applications</b>	ChIP, IHC, WB
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Note</b>	For research use only
<b>NCBI</b>	<a href="#">NP_000537</a>
<b>Expiration Date</b>	12 months from date of receipt.



25 ug of the indicated Human whole cell extracts was loaded onto a 12% SDS-PAGE gel. 1 ug/ml of the antibody was used in this experiment. Canonical 44 kDa isoform is identified, and a second isoform of 34 kDa is also present in some samples. TP53 has > 12 isoforms, and this peptide is present in isoform 1, 2, 3, 6, and others.



Sample Type: Human 721\_B, Antibody dilution: 1.0 ug/ml. TP53 is strongly supported by BioGPS gene expression data to be expressed in Human 721\_B cells.

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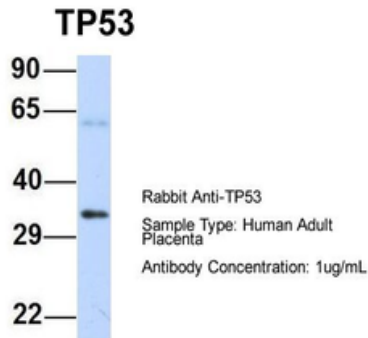
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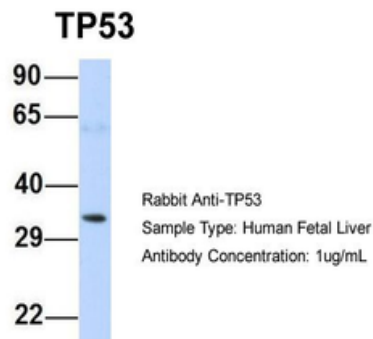
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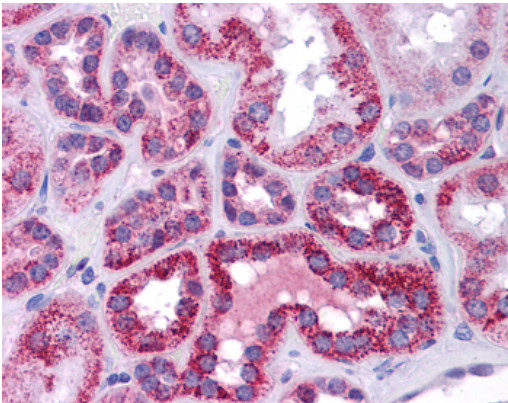
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Sample Type: Human Adult Placenta, Antibody dilution: 1.0 ug/ml.



Sample Type: Human Fetal Liver, Antibody dilution: 1.0 ug/ml.



Immunohistochemistry with U2OS/ PLKO cells tissue.

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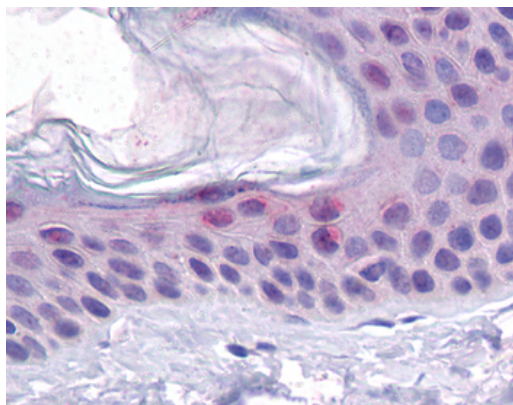
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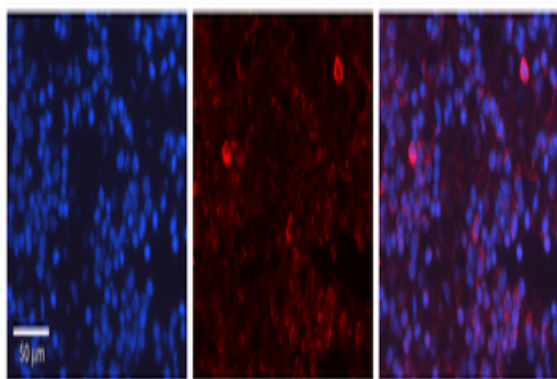
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Immunohistochemistry with U2OS/ PLKO cells tissue.



Rabbit Anti-TP53 Antibody, Catalog Number: orb573617,  
Formalin Fixed Paraffin Embedded Tissue: Human Lymph Node  
Tissue, Observed Staining: Nucleus, Cytoplasm, Primary  
Antibody Concentration: 1:100, Other Working Concentrations:  
1:600, Secondary Antibody: Donkey anti-Rabbit-Cy3, Secondary  
Antibody Concentration: 1:200, Magnification: 20X, Exposure  
Time: 0.5-2.0 sec.

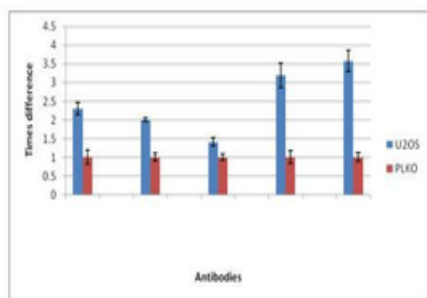


Figure 1. Binding of p53-specific antibodies to the p21 promoter.  
Application: ChIP Assay

Sample Type: U2OS/ PLKO cells.

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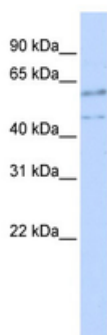
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WB Suggested Anti-TP53 Antibody Titration: 0.2-1 ug/ml, ELISA Titer: 1:1562500, Positive Control: 293T cell lysate. TP53 is strongly supported by BioGPS gene expression data to be expressed in HEK293T.

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