

## p53 (Phospho-Thr387) Antibody

Catalog No: #11718

Package Size: #11718-1 50ul #11718-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

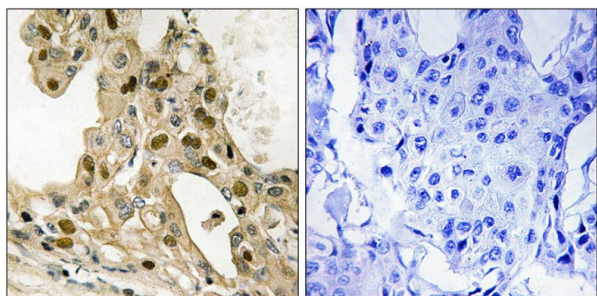
## Description

Product Name	p53 (Phospho-Thr387) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of p53 only when phosphorylated at threonine 387.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of threonine 387(F-K-T(p)-E-G) derived from Human p53.
Target Name	p53
Modification	Phospho
Other Names	TP53; tumor protein p53; Tumor suppressor p53;
Accession No.	Swiss-Prot#: P04637; NCBI Gene#: 7157; NCBI Protein#: NP_000537.3.
Uniprot	P04637
GeneID	7157;
SDS-PAGE MW	43kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

## Application Details

Immunohistochemistry: 1:50~1:100

## Images



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using p53 (Phospho-Thr387) antibody #11718 (left) or the same antibody preincubated with blocking peptide (right).

## Background

Acts as a tumor suppressor in many tumor types; induces growth arrest or apoptosis depending on the physiological circumstances and cell type. Involved in cell cycle regulation as a trans-activator that acts to negatively regulate cell division by controlling a set of genes required for this process. One of the activated genes is an inhibitor of cyclin-dependent kinases. Apoptosis induction seems to be mediated either by stimulation of BAX and FAS antigen expression, or by repression of Bcl-2 expression. Implicated in Notch signaling cross-over.

Zakut-Houri R., EMBO J. 4:1251-1255(1985).

Lamb P., Mol. Cell. Biol. 6:1379-1385(1986).

Harlow E., Mol. Cell. Biol. 5:1601-1610(1985).

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Note: This product is for in vitro research use only