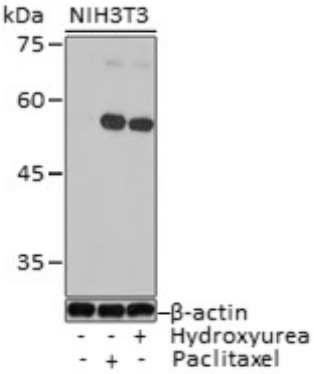
Product Name:	Phospho-p53-S392 Rabbit pAb
Catalog #:	Z4152-20; Z4152-100
Also Known As:	TP53; BCC7; LFS1; P53; TRP53; p53; TP53; BMFS5
Quantity:	20 µl for Z4152-20; 100 µl for Z4152-100
Concentration:	See labels on tube
Host Species:	Rabbit
Isotype:	IgG
Reactivity:	Human, Mouse, Rat
Immunogen:	A synthetic phosphorylated peptide surrounding S392 of human p53 (NP_000537.3).
Swiss Prot. #:	P04637
Calculated MW:	53 kDa
Detected MW:	53 kDa
Applications:	WB (1:500 - 1:2,000) IP (not tested) IHC (not tested) IF (not tested) Note: Antibody dilution should be optimized by users.

Images:



Immunoblotting 25 µg whole cell extracts of NIH3T3 cell line using Phospho-p53-S392 antibody (Z4152) at 1:1,000 dilution.

Purification:	Protein A or G affinity purification
Buffer:	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Storage:	Store at -20°C. Centrifuge to maximize product recovery.
Background:	P53 is a tumor suppressor that plays a role in maintaining genomic stability and controlling apoptosis. During the cell cycle, it can arrest cells at the G1/S checkpoint and activate DNA repair mechanisms. It is the most mutated gene in cancer. In unstressed cells, p53 usually exists at low levels in an inactive form, being bound to Mdm2. Phosphorylation of p53 at Ser392 is increased in human tumors and has been reported to influence the growth suppressor function, DNA binding, and transcriptional activation of p53.
Reference:	1. Vogelstein B and Kinzler KW, (1994) Nature 370, 174 - 175. 2. Levine AJ, (1997) Cell 88, 323 - 331.