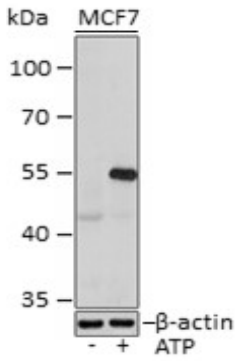
Product Name:	Phospho-p53-S6 Rabbit pAb
Catalog #:	Z4112-20; Z4112-100
Also Known As:	TP53; BCC7; LFS1; P53; TRP53; p53; TP53; BMFS5
Quantity:	20 µl for Z4112-20; 100 µl for Z4112-100
Concentration:	See labels on tube
Host Species:	Rabbit
Isotype:	IgG
Reactivity:	Human
Immunogen:	A phospho specific peptide corresponding to residues surrounding S6 of human p53.
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 MCF7 cell line using Phospho-p53-S6 antibody (Z4112) 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. p53 is phosphorylated at Ser6 and Ser9 by CK1δ and CK1ε both in vitro and in vivo and additionally that there may be a regulatory feedback loop involving p53 and CK1δ.
Reference:	1. Vogelstein B and Kinzler KW, (1994) Nature 370, 174 - 175. 2. Levine AJ, (1997) Cell 88, 323 - 331.