

Datasheet for ABIN306557 **anti-p53 antibody**



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1 Image

Overview

Quantity:	250 µg
Target:	p53 (TP53)
Reactivity:	Human, Mouse, Rat
Host:	Sheep
Clonality:	Polyclonal
Conjugate:	This p53 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Isotype:	IgG
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Target Details

Target:	p53 (TP53)
Alternative Name:	p53 (TP53 Products)
Background:	GST p53 fusion protein containing amino acids 1-393 of human p53 was used as immunogen. p53 has a molecular weight of 53kDa p53 is a transcription factor that can inhibit cell cycle progression or induce apoptosis in response to stress or DNA damage. Disruption of the p53 signalling pathway through various mechanisms is the most common alteration in human cancer occurring in over half of all tumors. The p53 protein is short lived and expressed at low levels in normal cells but accumulates and/or is activated in cells that have undergone genotoxic damage or oncogene activation. Many tumor derived and transformed cell lines express elevated levels of mutant p53 protein. Synonyms: Sheep anti human p53, hp53.

Target Details

UniProt:	P04637
Pathways:	p53 Signaling, MAPK Signaling, PI3K-Akt Signaling, Apoptosis, AMPK Signaling, Chromatin Binding, ER-Nucleus Signaling, Positive Regulation of Endopeptidase Activity, Hepatitis C, Protein targeting to Nucleus, Autophagy, Warburg Effect

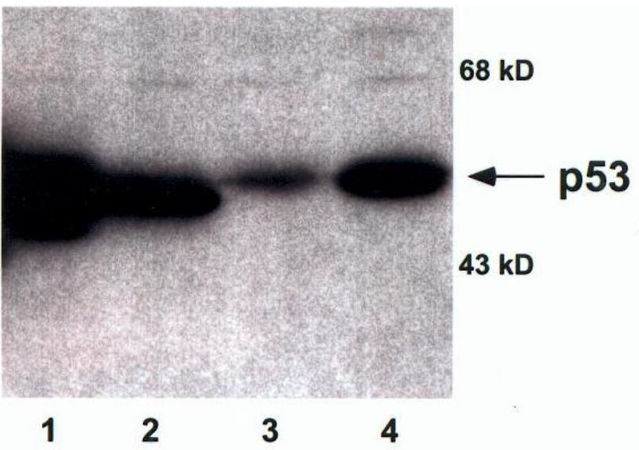
Application Details

Restrictions:	For Research Use only
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Handling

Concentration:	1 mg/ml
Storage:	-20 °C

Images



Western Blotting

Image 1. Each lane contains 50µg of total cellular protein separated by 10% SDS-PAGE. (1) Murine mutant p53, (2) murine wild-type p53, (3) wild-type p53 protein from human colorectal carcinoma cells (RKO), (4) elevated levels of human p53 protein following treatment of RKO cells with adriamycin (0.2 µm)