



Rabbit anti-Mouse p53 Protein (CM5)

CatNo **LIN-P956**

Lot:
Storage: +2- +8 / -20°C

Description:	p53 rabbit polyclonal antibody			
Amount:	0.2 ml			
Immunogen:	Recombinant mouse p53 protein.			
Epitope:	Not determined. Recognizes wild and mutant types.			
Presentation:	Liquid rabbit serum in PBS with 1% BSA containing 15mM sodium azide			
Species Cross-Reactivity:	Mouse and Rat (Does not recognize human p53).			
Storage Conditions:	Store at 2 - 8 °C for 1 year or aliquoted and quick frozen and stored at -20 °C for longer. Do not repeatedly freeze/thaw.			
Applications:		Working Dilution*: <small>* Recommended dilutions using VECTASTAIN® Elite® ABC Kits.</small>	Positive Control	
	Paraffin sections (PS):	Antigen unmasking recommended.	1:200 - 1:500 for 1 hr. at 25 °C	Irradiated mouse spleen or T3T3 cells. Nuclear staining pattern.
	Frozen sections (CS):	Not determined		
	Western blotting (WB):	Yes	1:2000 - 1:4000	T3T3 cells
Functional Aspects:	The p53 protein is involved with the regulation of normal cell growth and is a suppressor of tumor cell proliferation via induction of growth arrest and apoptosis pathways. This antibody will be useful determining p53 expression in studies of tumorigenesis, genotoxic stress and transgenic systems in rodent models.			
Selected References:	<ol style="list-style-type: none"> 1. Botchkarev V A, Komarova E A, Siebenhaar F, et al.. p53 involvement in the control of murine hair follicle regression. American Journal of Pathology. 158(6): 1913-1919 (2001). 2. Cattoretti G and Fei Q. Application of the antigen retrieval technique in experimental pathology: from human to mouse. Antigen Retrieval Techniques. 165-179. Eds. Shi S-R, Gu J and Taylor C R. Eaton Publishing (2000). 3. Midgley C A, Owens B, Briscoe C V, et al.. Coupling between gamma irradiation, p53 induction and the apoptotic response depends upon cell type in vivo. Journal of Cell Science. 108: 1843-1848 (1995). 4. Milner J O, Chan Y S, Medcalf E A, et al.. Partially transformed T3T3 cells express high levels of mutant p53 in the 'wild-type' immunoreactive form with defective oligomerization. Oncogene. 8: 2001-2008 (1993). 			
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