



Rabbit Anti-Human TP53 (Acetyl-Lys319) polyclonal antibody (CABT-L4165)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rabbit Anti-Human Caldesmon (Phospho-Ser759) polyclonal antibody. This antibody detects endogenous levels of total p53 protein only when acetylated at Lys319.
Specificity	Target Modification: Acetyl. Modification Sites: Human: K319; Mouse: K313; Rat: K317
Target	Human p53 (Acetyl-Lys319)
Immunogen	The antiserum was produced against synthesized peptide derived from human p53 around the acetylated site of Lys319. Immunogen range: 283-332
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Purification	Affinity Purified
Conjugate	Unconjugated
Applications	WB, IF, ELISA
Molecular Weight	43 kDa
Preparation	The antibody was purified from rabbit antiserum by affinity-chromatography using acetylated peptide. The antibody against non-acetylated peptide was removed by chromatography using corresponding non-acetylated peptide.
Format	Liquid

Concentration	Lot specific
Size	100 µl
Buffer	Rabbit IgG in PBS (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl and 50% glycerol.
Preservative	0.02% Sodium Azide
Storage	Stable at -20°C for at least 1 year.
Ship	Wet ice

BACKGROUND

Introduction	This gene encodes a tumor suppressor protein containing transcriptional activation, DNA binding, and oligomerization domains. The encoded protein responds to diverse cellular stresses to regulate expression of target genes, thereby inducing cell cycle arrest, apoptosis, senescence, DNA repair, or changes in metabolism. Mutations in this gene are associated with a variety of human cancers, including hereditary cancers such as Li-Fraumeni syndrome. Alternative splicing of this gene and the use of alternate promoters result in multiple transcript variants and isoforms. Additional isoforms have also been shown to result from the use of alternate translation initiation codons.
Keywords	TP53;tumor protein p53;P53;BCC7;LFS1;TRP53;cellular tumor antigen p53;antigen NY-CO-13;tumor protein 53;phosphoprotein p53;p53 tumor suppressor;mutant tumor protein 53;transformation-related protein 53;

GENE INFORMATION

Gene Name	TP53 tumor protein p53 [Homo sapiens (human)]
Official Symbol	TP53
Synonyms	Antigen NY-CO-13, Cellular tumor antigen p53, Phosphoprotein p53, TP53, Tumor suppressor p53
Entrez Gene ID	7157
UniProt ID	P04637