

# Acetyl-p53 (Lys382) Recombinant Rabbit Monoclonal Antibody (10 H13L14)

Product Details	
Size	100 µg
Species Reactivity	Human
Published Species	Human
Host/Isotype	Rabbit / IgG
Expression system	Expi293
Class	Recombinant Monoclonal
Type	Antibody
Clone	10 H13L14
Conjugate	Unconjugated
Immunogen	Peptide corresponding to amino acids 377-386 of human p53 [AcK382]
Form	Liquid
Concentration	0.5 mg/mL
Purification	Protein A
Storage buffer	PBS
Contains	0.09% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2532452

Applications	Tested Dilution	Publications
Western Blot (WB)	1-3 µg/mL	1 Publication
Immunocytochemistry (ICC/IF)	1 µg/mL	-

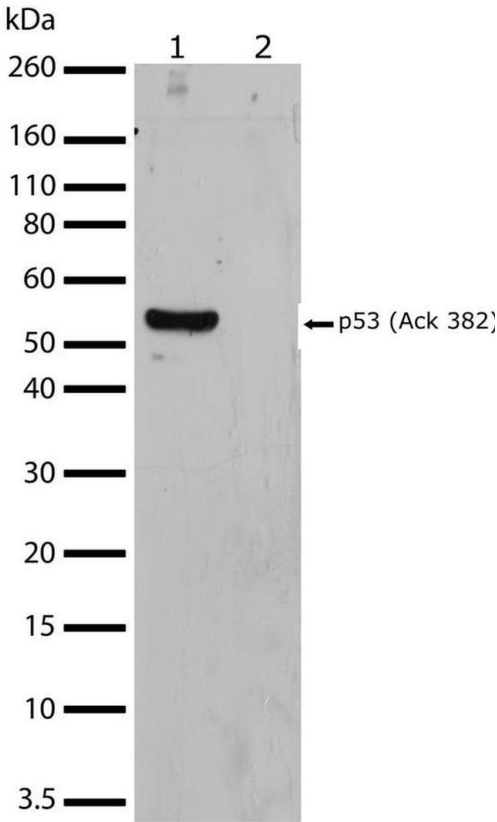
### Product Specific Information

This antibody is predicted to react with mouse, rat, non-human primate and rabbit based on sequence homology.

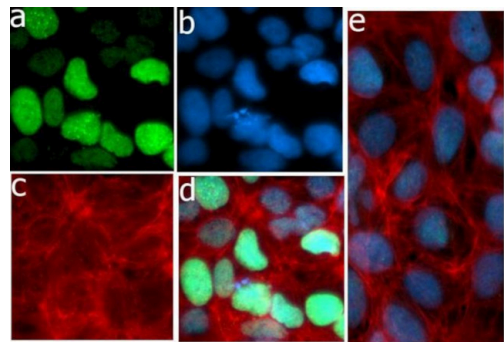
Intact IgG appears on a non-reducing gel as ~150 kDa band and upon reduction generating a ~25 kDa light chain band and a ~50 kDa heavy chain.

Recombinant rabbit monoclonal antibodies are produced using in vitro expression systems. The expression systems are developed by cloning in the specific antibody DNA sequences from immunoreactive rabbits. Then, individual clones are screened to select the best candidates for production. The advantages of using recombinant rabbit monoclonal antibodies include: better specificity and sensitivity, lot-to-lot consistency, animal origin-free formulations, and broader immunoreactivity to diverse targets due to larger rabbit immune repertoire.

Product Images For Acetyl-p53 (Lys382) Recombinant Rabbit Monoclonal Antibody (10 H13L14)



**Acetyl-p53 (Lys382) Antibody (701270) in WB**  
Western blot analysis of p53 in whole cell extracts from HeLa cells treated with doxorubicin (0 using a p53 recombinant rabbit monoclonal antibody (Product # 701270) at a dilution of 2 µg/mL. To confirm specificity, competition was performed by preincubation with the phosphopeptide to inhibit antibody binding (lane 2). Samples were detected using chemiluminescence (ECL). Results show a band at ~53kDa.



**Acetyl-p53 (Lys382) Antibody (701270) in ICC/IF**  
Immunofluorescent analysis of Acetyl-p53 Lys382 in HeLa cells treated with 0.2 uM Doxorubicin and 5mM Sodium Butyrate for 24 hrs using an Acetyl-p53 Lys382 recombinant rabbit monoclonal antibody (Product # 701270) followed by detection using an Alexa Fluor 488-conjugated goat anti-rabbit secondary antibody (green) (Image A). Nuclei were stained using DAPI (Image B) and actin stained with Alexa Fluor 594 phalloidin (red) (image C). Image D is a composite image showing nuclear localization of acylated p53 and Image E is a composite image of cells showing inhibition of antibody binding after competition with acylated peptide.

1 Reference

Western Blot (1)

<p><b>Gene</b></p> <p><b>Impact of structurally diverse BET inhibitors on SIRT1.</b></p> <p>"701270 was used in Western Blot to show the effect of structurally diverse BET inhibitors on SIRT1 levels is divergent, and the responses might also be cell type-dependent."</p> <p>Authors: Tenhunen J,Kokkola T,Huovinen M,Rahnasto-Rilla M,Lahtela-Kakkonen M</p>	<p><b>Year</b></p> <p>2020</p> <p><b>Species</b></p> <p>Human</p>
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