

# Acetyl-p53 (Lys382) Recombinant Polyclonal Antibody (10HCLC)

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse
Host/Isotope	Rabbit / IgG
Class	Recombinant Polyclonal
Type	Antibody
Clone	10HCLC
Conjugate	Unconjugated
Immunogen	Acetylated peptide corresponding to amino acids 379–385 of human Tumor Protein 53 [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_2532671

Applications	Tested Dilution	Publications
ChIP assay (ChIP)	2-3 µh x 10 <sup>6</sup>	-
Immunocytochemistry (ICC)	1-2 µg/mL	-
Immunofluorescence (IF)	1-2 µg/mL	-
Immunohistochemistry (Paraffin) (IHC (P))	1:20-1:100	-
Western Blot (WB)	1-3 µg/mL	-

## Product Specific Information

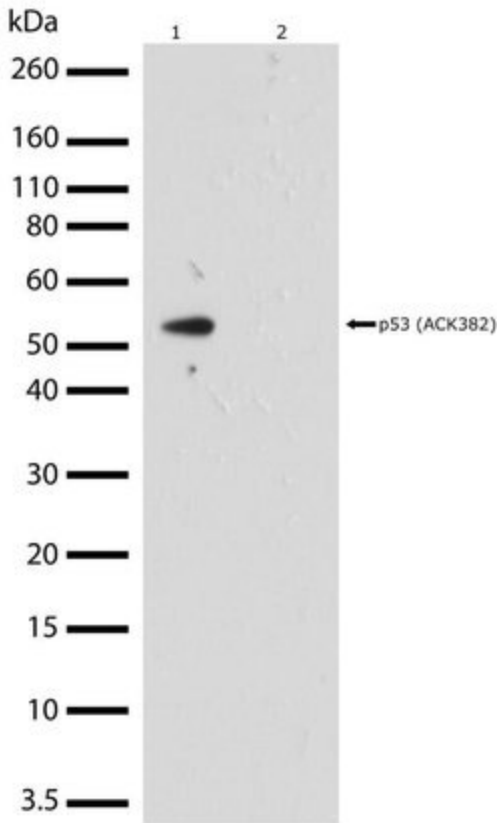
This antibody is predicted to react with mouse, rat, non-human primate and rabbit based on sequence homology.

Recombinant rabbit polyclonal antibodies are unique offerings from Thermo Fisher Scientific. They are comprised of a selection of multiple different recombinant monoclonal antibodies, providing the best of both worlds - the sensitivity of polyclonal antibodies with the specificity of monoclonal antibodies - all delivered with the consistency only found in a recombinant antibody. While functionally the same as a polyclonal antibody - recognizing multiple epitope sites on the target and producing higher detection sensitivity for low abundance targets - a recombinant rabbit polyclonal antibody has a known mixture of light and heavy chains. The exact population can be produced in every lot, circumventing the biological variability typically associated with polyclonal antibody production.

## Advanced Verification Data

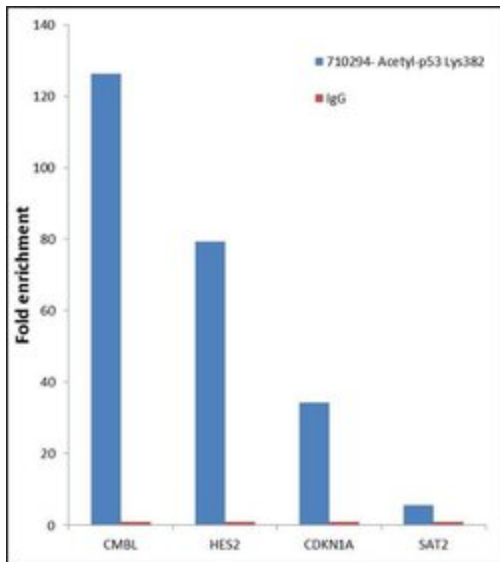
### Acetyl-p53 (Lys382) Antibody (710294)

Altered expression of proteins upon cell treatment demonstrates antibody specificity. Western blot of Acetyl-p53 (Lys382) using Anti-Acetyl-p53 (Lys382) (10HCLC) Recombinant Rabbit Polyclonal Antibody (Product # 710294), shows increased expression of Acetyl-p53 (Lys382) in HeLa cells upon Doxorubicin and Sodium Butyrate treatment. Cell treatment validation info.

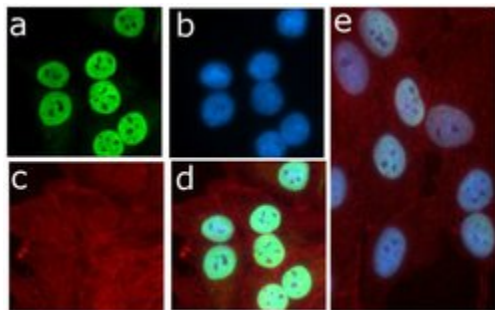


### Acetyl-p53 (Lys382) Antibody (710294)

Antibody specificity was demonstrated by detection of enrichment of the target protein at specific gene loci. Chromatin Immunoprecipitation (ChIP) was performed using Anti-Acetyl-p53 (Lys382) (10HCLC) Recombinant Rabbit Polyclonal Antibody (Product # 710294) with relevant positive (CMBL, HES2, and CDKN1A) and negative (SAT2) target genes/ binding sites. Relative expression validation info.



## Product Images For Acetyl-p53 (Lys382) Recombinant Polyclonal Antibody (10HCLC)



### Acetyl-p53 (Lys382) Antibody (710294) in IF

Immunofluorescent analysis of Acetyl p53 Lys382 in HeLa cells using an Acetyl p53 Lys382 Recombinant Rabbit Polyclonal Antibody (Product # 710294) 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 subcellular cytoplasmic localization of acetylated p53 and image E is a composite image showing specificity of antibody to acetylated p53 by lack of staining in untreated cells.

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