

Datasheet for ABIN2855394

anti-p63 antibody



[Go to Product page](#)

8 Images

8 Publications

Overview

Quantity:	100 µL
Target:	p63 (TP63)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This p63 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC), Immunoprecipitation (IP), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Proximity Ligation Assay (PLA)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human p63. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Dog, Human, Mouse, Rat
Characteristics:	Rabbit Polyclonal antibody to p63 (tumor protein p63) p63 antibody [N2C1], Internal
Purification:	Purified by antigen-affinity chromatography.
Grade:	KO Validated

Target Details

Target:	p63 (TP63)
Alternative Name:	tumor protein p63 (TP63 Products)
Background:	<p>This gene encodes a member of the p53 family of transcription factors. An animal model, p63 ^{-/-} mice, has been useful in defining the role this protein plays in the development and maintenance of stratified epithelial tissues. p63 ^{-/-} mice have several developmental defects which include the lack of limbs and other tissues, such as teeth and mammary glands, which develop as a result of interactions between mesenchyme and epithelium. Mutations in this gene are associated with ectodermal dysplasia, and cleft lip/palate syndrome 3 (EEC3), split-hand/foot malformation 4 (SHFM4), ankyloblepharon-ectodermal defects-cleft lip/palate, ADULT syndrome (acro-dermato-ungual-lacrima-tooth), limb-mammary syndrome, Rap-Hodgkin syndrome (RHS), and orofacial cleft 8. Both alternative splicing and the use of alternative promoters results in multiple transcript variants encoding different proteins. Many transcripts encoding different proteins have been reported but the biological validity and the full-length nature of these variants have not been determined.</p> <p>Cellular Localization: Nucleus</p>
Molecular Weight:	77 kDa
Gene ID:	8626
UniProt:	Q9H3D4

Application Details

Application Notes:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. IP: 1:100-1:500. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: mouse brain , rat brain , A431 Validation: KO/KD, Orthogonal
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1.58 mg/mL
Buffer:	1XPBS pH 7, 20 % Glycerol, 0.025 % ProClin 300

Handling

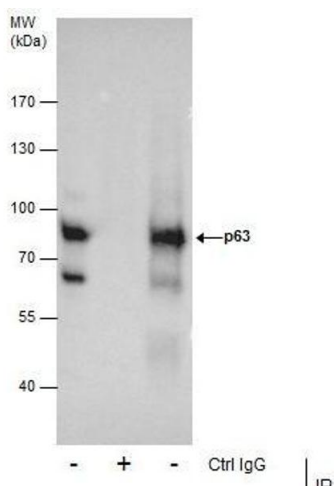
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Publications

Product cited in: Wei, Ngo, Wu, Lee: "Phosphorylation of the Ndc80 complex protein, HEC1, by Nek2 kinase modulates chromosome alignment and signaling of the spindle assembly checkpoint." in: **Molecular biology of the cell**, Vol. 22, Issue 19, pp. 3584-94, (2012) ([PubMed](#)).

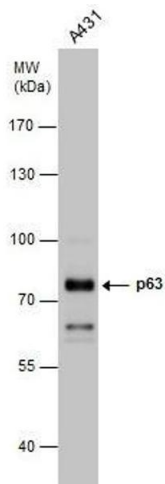
There are more publications referencing this product on: [Product page](#)

Images



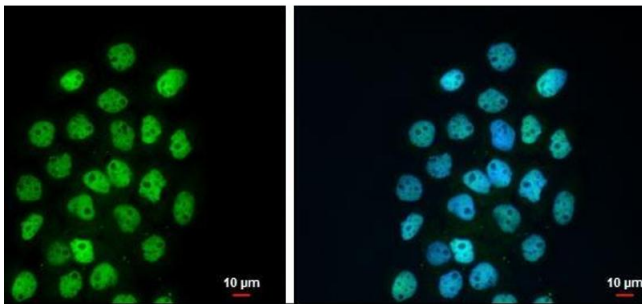
Immunoprecipitation

Image 1. IP Image Immunoprecipitation of p63 protein from A431 whole cell extracts using 5 µg of p63 antibody [N2C1], Internal, Western blot analysis was performed using p63 antibody [N2C1], Internal, EasyBlot anti-Rabbit IgG was used as a secondary reagent.



Western Blotting

Image 2. WB Image p63 antibody detects p63 protein by western blot analysis. Whole cell extracts (30 µg) was separated by 7.5% SDS-PAGE, and the membrane was blotted with p63 antibody , at a dilution of 1:2500.



Immunofluorescence

Image 3. ICC/IF Image p63 antibody [N2C1], Internal detects p63 protein at nucleus by immunofluorescent analysis. Sample: A431 cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: p63 protein stained by p63 antibody [N2C1], Internal , diluted at 1:500. Blue: Hoechst 33342 staining. Scale bar = 10 µm.

Please check the [product details page](#) for more images. Overall 8 images are available for ABIN2855394.