

## ARG40653 anti-p63 antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes p63
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, IHC-P
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	p63
Species	Human
Immunogen	Synthetic peptide derived from Human p63.
Conjugation	Un-conjugated
Alternate Names	p63; Tumor protein p73-like; B(p51A); AIS; p53CP; p73L; p73H; p40; EEC3; TP63; NBP; Chronic ulcerative stomatitis protein; TP53CP; CUSP; B(p51B); TP73L; p51; Transformation-related protein 63; Keratinocyte transcription factor KET; SHFM4; TP53L; RHS; LMS; Tumor protein 63; OFC8; KET

### Application Instructions

Application table	Application	Dilution
	FACS	1:50
	ICC/IF	1:50 - 1:200
	IHC-P	1:100 - 1:500

**Application Note** \* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.4), 150 mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

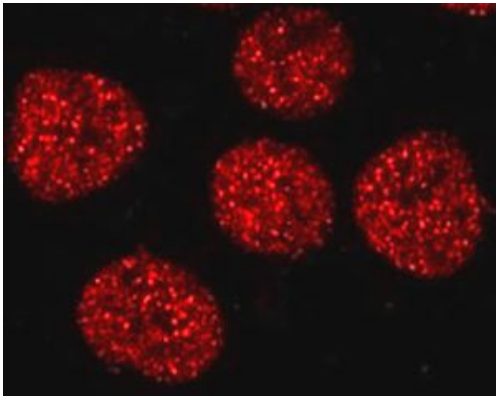
## Bioinformation

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Gene Symbol	TP63
Gene Full Name	tumor protein p63
Background	<p>This gene encodes a member of the p53 family of transcription factors. An animal model, p63 <sup>-/-</sup> mice, has been useful in defining the role this protein plays in the development and maintenance of stratified epithelial tissues. p63 <sup>-/-</sup> 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. [provided by RefSeq, Jul 2008]</p>
Function	<p>Acts as a sequence specific DNA binding transcriptional activator or repressor. The isoforms contain a varying set of transactivation and auto-regulating transactivation inhibiting domains thus showing an isoform specific activity. Isoform 2 activates RIPK4 transcription. May be required in conjunction with TP73/p73 for initiation of p53/TP53 dependent apoptosis in response to genotoxic insults and the presence of activated oncogenes. Involved in Notch signaling by probably inducing JAG1 and JAG2. Plays a role in the regulation of epithelial morphogenesis. The ratio of DeltaN-type and TA*-type isoforms may govern the maintenance of epithelial stem cell compartments and regulate the initiation of epithelial stratification from the undifferentiated embryonal ectoderm. Required for limb formation from the apical ectodermal ridge. Activates transcription of the p21 promoter. [UniProt]</p>
Calculated Mw	77 kDa
PTM	<p>May be sumoylated.</p> <p>Ubiquitinated. Polyubiquitination involves WWP1 and leads to proteasomal degradation of this protein. [UniProt]</p>
Cellular Localization	Nucleus. [UniProt]

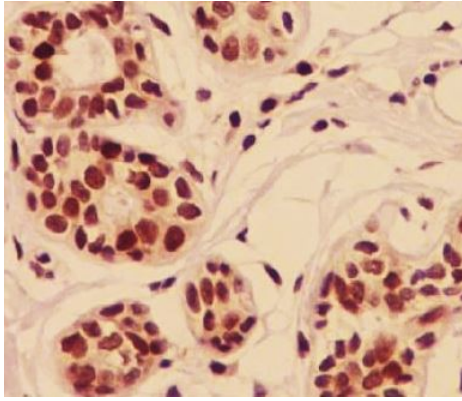
## Images

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ARG40653 anti-p63 antibody ICC/IF image

Immunofluorescence: A431 cells stained with ARG40653 anti-p63 antibody.



ARG40653 anti-p63 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human breast tissue stained with ARG40653 anti-p63 antibody.