

Datasheet for ABIN672336

anti-TCP1 alpha/CCTA antibody (AA 361-450)[Go to Product page](#)**1** Image**2** Publications

Overview

Quantity:	100 µL
Target:	TCP1 alpha/CCTA (TCP1)
Binding Specificity:	AA 361-450
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TCP1 alpha/CCTA antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human p63 protein
Isotype:	IgG
Predicted Reactivity:	Dog,Cow,Sheep,Pig,Horse,Rabbit,Guinea Pig
Purification:	Purified by Protein A.

Target Details

Target:	TCP1 alpha/CCTA (TCP1)
Alternative Name:	p63 (TCP1 Products)

Target Details

Background:	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. Subcellular location: Nucleus Synonyms: AIS, KET, LMS, NBP, RHS, p4, p51, p63, EEC3, OFC8, p73H, p73L, SHFM4, TP53L, TP73L, p53CP, TP53CP, B(p51A), B(p51B), Tumor protein 63, Chronic ulcerative stomatitis protein, CUSP, Keratinocyte transcription factor KET, Transformation-related protein 63, TP63, Tumor protein p73-like
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Gene ID:	8626
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UniProt:	Q9H3D4
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Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 ICC 1:100-500
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

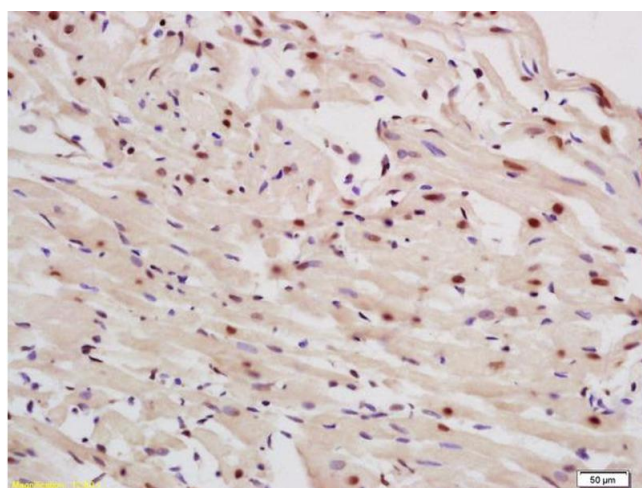
Handling

Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

- Product cited in:
- Quantius, Schmoltdt, Vazquez-Armendariz, Becker, El Agha, Wilhelm, Morty, Vadász, Mayer, Gattenloehner, Fink, Matrosovich, Li, Seeger, Lohmeyer, Bellusci, Herold: "Influenza Virus Infects Epithelial Stem/Progenitor Cells of the Distal Lung: Impact on Fgfr2b-Driven Epithelial Repair." in: **PLoS pathogens**, Vol. 12, Issue 6, pp. e1005544, (2016) ([PubMed](#)).
- Yang, Xie, Shu, Liu, Chen, Ruan, Qi: "An improved method for the isolation and culture of rat epidermal stem cells." in: **International journal of clinical and experimental pathology**, Vol. 6, Issue 11, pp. 2529-34, (2014) ([PubMed](#)).

Images



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded rat heart labeled with Rabbit Anti P63 protein/P51A Polyclonal Antibody, Unconjugated (ABIN672336) at 1:200 followed by conjugation to the secondary antibody and DAB staining