

Datasheet for ABIN909814

anti-TCP1 alpha/CCTA antibody (AA 361-450) (AbBy Fluor® 555)[Go to Product page](#)**1** Publication

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 conjugated to AbBy Fluor® 555
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

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)
Background:	Acts as a sequence specific DNA binding transcriptional activator or repressor. The isoforms

Target Details

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

Gene ID: 8626

UniProt: [Q9H3D4](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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/-80 °C

Handling

Storage Comment: Store at -20°C, for long storage, store at -80°C. Avoid multiple freeze-thaw cycles

Expiry Date: 12 months

Publications

Product cited in: Quantius, Schmoldt, 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](#)).