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Datasheet for ABIN872398
anti-TBCD antibody (AA 401-500)

Overview

Quantity:	100 µL
Target:	TBCD
Binding Specificity:	AA 401-500
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TBCD antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human TBCD/Beta tubulin cofactor D
Isotype:	IgG
Cross-Reactivity:	Mouse
Predicted Reactivity:	Human,Rat,Chicken,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	TBCD
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Target Details

Alternative Name: [Beta tubulin cofactor D \(TBCD Products\)](#)

Background: Synonyms: Beta tubulin cofactor D, Beta-tubulin cofactor D, KIAA0988, SSD 1, SSD-1, SSD1, tbcd, TBCD_HUMAN, tfcD, Tubulin folding cofactor D, Tubulin specic chaperone D, Tubulin-folding cofactor D, Tubulin-specic chaperone D.

Background: Tubulin-folding protein, involved in the first step of the tubulin folding pathway. Modulates microtubule dynamics by capturing GTP-bound beta-tubulin (TUBB). Acts as a GTPase-activating protein (GAP) for ARL2. Its ability to interact with beta tubulin is regulated via its interaction with ARL2. Induces microtubule disruption in absence of ARL2. Increases degradation of beta tubulin, when overexpressed in polarized cells. Promotes epithelial cell detachment, a process antagonized by ARL2. Induces tight adherens and tight junctions disassembly at the lateral cell membrane.

Gene ID: 6904

Pathways: [Cell-Cell Junction Organization](#)

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

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % 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: 4 °C,-20 °C

Handling

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months