

Rabbit anti-Human TBCD Polyclonal Antibody | anti-TBCD antibody

TBCD Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA235049	Rabbit	Human	Immunofluorescence, Immunohistochemistry, ELISA

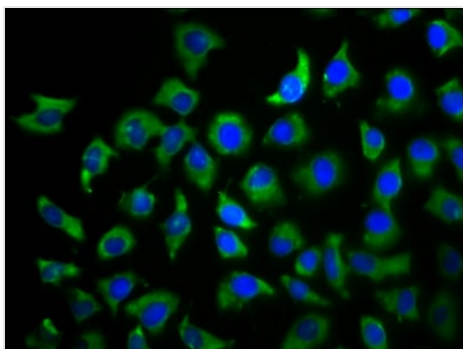
PRODUCT SYNONYMS

TBCD; Polyclonal Antibody; TBCD Antibody; Tubulin-specific chaperone D; Beta-tubulin cofactor D; ttcD; SSD-1; Tubulin-folding cofactor D; KIAA0988; SSD1; TFCD; PP1096; anti-TBCD antibody

PRODUCT SPECIFICATIONS

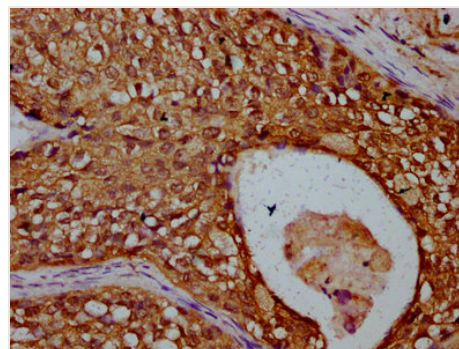
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	1192
Applicable Applications for anti-TBCD antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human Tubulin-specific chaperone D protein (2-96AA)
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of A549 cells with AAA235049 at 1:100, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



IHC (Immunohistochemistry)

IHC image of AAA235049 diluted at 1:300 and staining in paraffin-embedded human cervical cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

ADDITIONAL INFORMATION

Related Product Information for anti-TBCD antibody	Tubulin-folding protein implicated in the first step of the tubulin folding pathway and required for tubulin complex assembly. Involved in the regulation of microtubule polymerization or depolymerization, it modulates microtubule dynamics by capturing GTP-bound beta-tubulin (TUBB). Its ability to interact with beta tubulin is regulated via its interaction with ARL2. Acts as a GTPase-activating protein (GAP) for 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 (PubMed:10722852, PubMed:10831612, PubMed:11847227, PubMed:20740604, PubMed:27666370, PubMed:28158450). Required for correct assembly and maintenance of the mitotic spindle, and proper progression of mitosis (PubMed:27666370). Involved in neuron morphogenesis (PubMed:27666374).
Product Categories/Family for anti-TBCD antibody	Cancer; Cell biology; Tags & Cell Markers; Signal transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	41350333
NCBI GeneID	6904
NCBI Accession #	NP_005984.3
NCBI GenBank Nucleotide #	NM_005993.4
UniProt Accession #	Q9BTW9; O95458; Q7L8K1; Q8IXP6; Q8NAX0; Q8WYH4; Q96E74; Q9UF82; Q9UG46; Q9Y2J3
Molecular Weight	84,263 Da
NCBI Official Full Name	tubulin-specific chaperone D
NCBI Official Synonym Full Names	tubulin folding cofactor D
NCBI Official Symbol	TBCD
NCBI Official Synonym Symbols	tfcD; PEBAT; SSD-1
NCBI Protein Information	tubulin-specific chaperone D
UniProt Protein Name	Tubulin-specific chaperone D
UniProt Gene Name	TBCD
UniProt Synonym Gene Names	KIAA0988; SSD1; TFCD; tfcD

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/tbcd-antibody-immunofluorescence-immunohistochemistry-elisa/235049>