

Rabbit Tuberin Polyclonal Antibody | anti-TSC2 antibody

Anti-Tuberin Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA45660	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

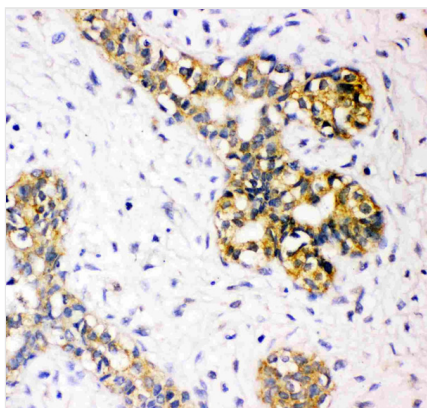
PRODUCT SYNONYMS

Tuberin; Polyclonal Antibody; Anti-Tuberin Antibody; tuberous sclerosis 2 ; FLJ43106 antibody; LAM antibody; OTTHUMP00000158940 antibody; OTTHUMP00000198394 antibody; OTTHUMP00000198395 antibody; TSC2 antibody; TSC2_HUMAN antibody; TSC4 antibody; TSC4 gene; formerly antibody; TSC4; Tuberin antibody; Tuberous sclerosis 2 antibody; Tuberous sclerosis 2 protein antibody; Tuberous sclerosis 2 protein homolog antibody; anti-TSC2 antibody

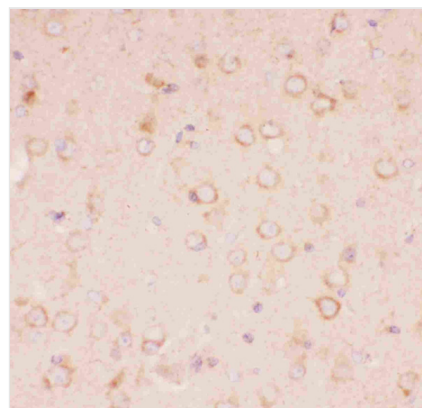
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	1807
Applicable Applications for anti-TSC2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human Tuberin recombinant protein (Position: H1611-V1807). Human Tuberin shares 94% and 90% amino acid (aa) sequences identity with mouse and rat Tuberin, respectively.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

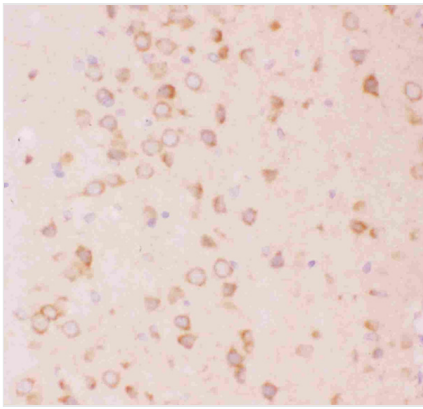
IMAGES



IHC (Immunohistochemistry)
Anti-Tuberin Picoband antibody, AAA45660-5.jpgIHC(P): Human Mammary Cancer Tissue

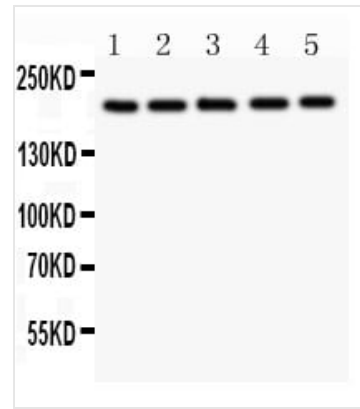


IHC (Immunohistochemistry)
Anti-Tuberin Picoband antibody, AAA45660-4.jpgIHC(P): Mouse Brain Tissue



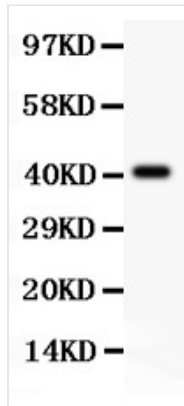
IHC (Immunohistochemisry)

Anti-Tuberin Picoband antibody, AAA45660-3.jpgIHC(P): Rat Brain Tissue



Application Data

Anti-Tuberin Picoband antibody, AAA45660-2.jpgAll lanes: Anti Tuberin (AAA45660) at 0.5ug/mlLane 1: U20S Whole Cell Lysate at 40ugLane 2: PANC Whole Cell Lysate at 40ugLane 3: HEPG2 Whole Cell Lysate at 40ugLane 4: A549 Whole Cell Lysate at 40ugLane 5: COLO320 Whole Cell Lysate at 40ugPredicted bind size: 201KDObserved bind size: 201KD



Application Data

Anti-Tuberin Picoband antibody, AAA45660-1.jpgAll lanes: Anti Tuberin (AAA45660) at 0.5ug/mlWB: Recombinant Human Tuberin Protein 0.5ngPredicted bind size: 41KDObserved bind size: 41KD

ADDITIONAL INFORMATION

Related Product Information for anti-TSC2 antibody

Description: Rabbit IgG polyclonal antibody for Tuberin(TSC2) detection. Tested with WB, IHC-P in Human, Mouse, Rat.

Background: Tuberous sclerosis 2 protein, also known as TSC2 or Tuberin is a protein that is in humans. The chromosomal location of this gene is 16p13.3. Mutations in this gene lead to tuberous sclerosis complex. Its gene product is believed to be a tumor suppressor and is able to stimulate specific GTPases. The protein associates with hamartin in a cytosolic complex, possibly acting as a chaperone for hamartin. This gene involved in microtubule-mediated protein transport, but this seems to be due to unregulated mTOR signaling. It stimulates weakly the intrinsic GTPase activity of the Ras-related proteins RAP1A and RAB5 in vitro.

NCBI AND UNIPROT INFORMATION

NCBI GI #	269849475
NCBI GeneID	7249
UniProt Accession #	P49815; O75275; Q4LE71; Q8TAZ1; A7E2E2; B4DIL8; B4DIQ7; B4DRN2; B7Z2B8; C9J378
Molecular Weight	25,773 Da
NCBI Official Full Name	Tuberin
NCBI Official Synonym Full Names	tuberous sclerosis 2
NCBI Official Symbol	TSC2

NCBI Official Synonym Symbols	LAM; TSC4; PPP1R160
NCBI Protein Information	tuberin; tuberous sclerosis 2 protein; protein phosphatase 1, regulatory subunit 160
UniProt Protein Name	Tuberin
UniProt Gene Name	TSC2
UniProt Synonym Gene Names	TSC4
UniProt Entry Name	TSC2_HUMAN

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://stage.aaabiotech.com/polyclonal/tuberin-antibody-immunohistochemistry-western-blot-elisa/45660>