

Rabbit anti-Human, Mouse TSC2/Tuberin Polyclonal Antibody | anti-TSC2 antibody

TSC2/Tuberin Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA29867	Rabbit	Human, Mouse	Immunocytochemistry, Immunohistochemistry, Flow Cytometry, Functional Assay

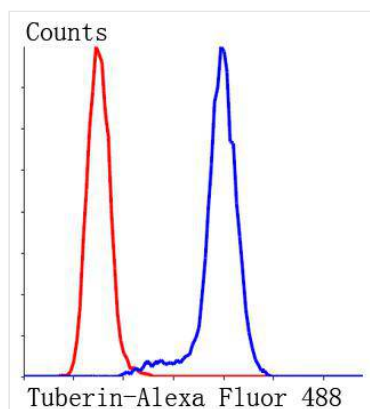
PRODUCT SYNONYMS

TSC2/Tuberin; Polyclonal Antibody; TSC2/Tuberin Antibody; FLJ43106 antibody; LAM antibody; OTTHUMP00000158940 antibody; OTTHUMP00000198394 antibody; OTTHUMP00000198395 antibody; PPP1R160 antibody; Protein phosphatase 1; regulatory subunit 160 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

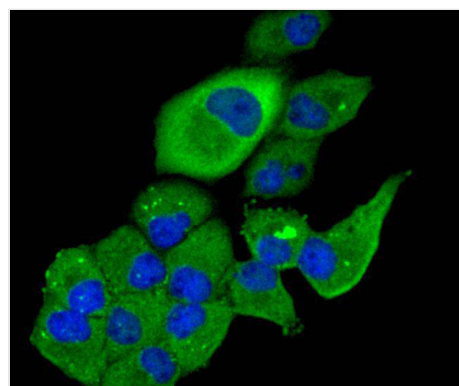
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Peptide affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-TSC2 antibody	ICC (Immunocytochemistry), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Application Notes	IHC: 1:50-1:200 ICC: 1:100-1:500 FC/FACS: 1:50-1:100
Immunogen	Peptide
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



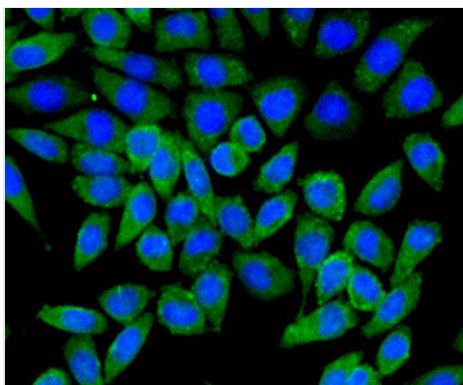
FCM (Flow Cytometry)

Flow cytometric analysis of HeLa cells with Tuberin antibody at 1/50 dilution (blue) compared with an unlabelled control (cells without incubation with primary antibody; red). Alexa Fluor 488-conjugated Goat anti mouse IgG was used as the secondary antibody.



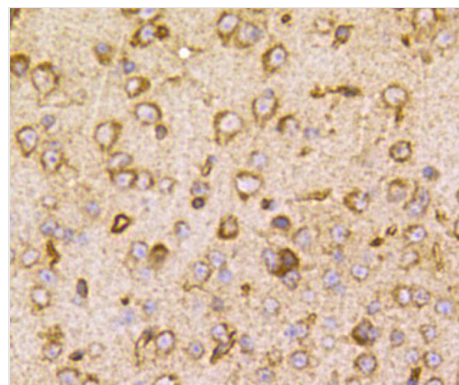
ICC (Immunocytochemistry)

Immunocytochemical staining of PANC-1 cells using anti-Tuberin rabbit polyclonal antibody.



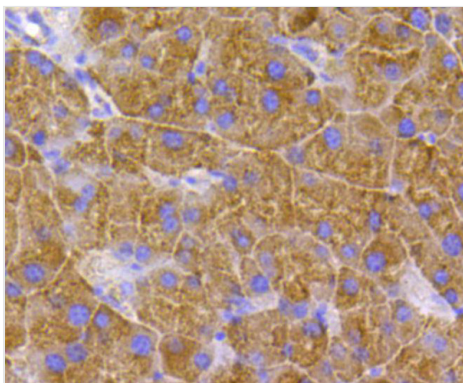
ICC (Immunocytochemistry)

Immunocytochemical staining of SH-SY-5Y cells using anti-Tuberin rabbit polyclonal antibody.



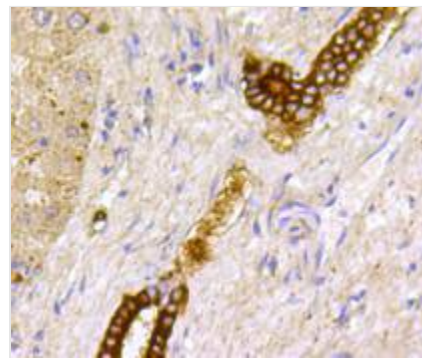
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-Tuberin rabbit polyclonal antibody.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded mouse pancreas tissue using anti-Tuberin rabbit polyclonal antibody.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-Tuberin rabbit polyclonal antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-TSC2 antibody	Tuberous sclerosis complex (TSC) is an autosomal dominant genetic disorder characterized by mental retardation and the widespread development of distinctive tumors termed hamartomas. Two different genetic loci have been linked to TSC; one of these loci, the tuberous sclerosis-2 gene (TSC2), encodes a protein called tuberin and the other loci, tuberous sclerosis-1 gene (TSC1), encodes a protein called hamartin. Tuberin and hamartin interact with each other forming a cytoplasmic complex. Hamartin interacts with the ezrin-radixin-moesin (ERM) family of actin-binding proteins and inhibition of hamartin activity results in loss of cell adhesion. Hamartin is present in most adult tissues with strong expression in brain, heart, and kidney.
Product Categories/Family for anti-TSC2 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	116256352
NCBI GeneID	7249
NCBI Accession #	NP_000539.2
NCBI GenBank Nucleotide #	NM_000548.3
UniProt Accession #	P49815; O75275; Q4LE71; Q8TAZ1; A7E2E2; B4DIQ7; B4DRN2; C9J378
Molecular Weight	200,608 Da
NCBI Official Full Name	tuberin isoform 1
NCBI Official Synonym Full Names	tuberous sclerosis 2

NCBI Official Symbol	TSC2
NCBI Official Synonym Symbols	LAM; TSC4
NCBI Protein Information	tuberin; tuberous sclerosis 2 protein
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/tsc2-tuberin-antibody-immunocytochemistry-immunohistochemistry-flow-cytometry-elisa/29867>