Tuberin/TSC2 Monoclonal antibody, PBS Only

Catalog Number: 68380-1-PBS

Featured Product

Basic Information

Catalog Number:
68380-1-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG1

GenBank Accession Number:
BC150300

GeneID (NCBI):
7249

UNIPROT ID:
P49815

Full Name:
tuberous sclerosis 2

Calculated MW:
1807 aa, 201 kDa

Observed MW:
200 kDa

Purification Method:
Protein A purification

CloneNo.:
1A10B2

Applications

Tested Applications:
WB, IHC, IF/ICC, ELISA

Species Specificity:
human, mouse, rat

Background Information

TSC2, also named Tuberin, plays an essential role in the cellular energy response pathway. TSC2 forms a physical and functional complex with TSC1 that can inhibit the nutrient-mediated or growth factor-stimulated phosphorylation of S6K1 and EIF4EBP1 by negatively regulating mTORC1 signaling.
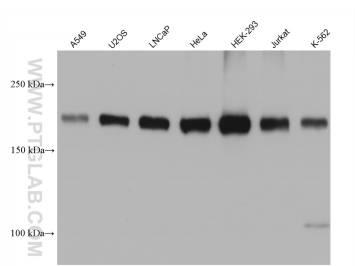
Storage

Storage:
Store at -80℃.
Storage Buffer:
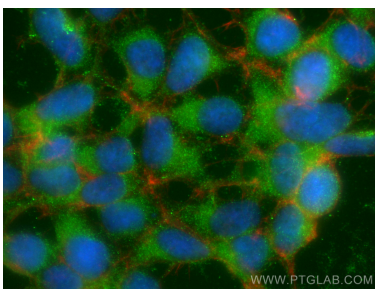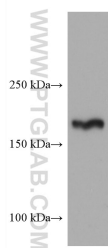PBS Only

Various lysates were subjected to SDS PAGE followed by western blot with 68380-1-Ig (TSC2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68380-1-PBS in a different storage buffer formulation.
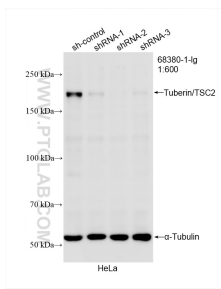
WB result of Tuberin/TSC2 antibody (68380-1-Ig; 1:600; incubated at room temperature for 1.5 hours) with sh-Control and sh-Tuberin/TSC2 transfected HeLa cells. This data was developed using the same antibody clone with 68380-1-PBS in a different storage buffer formulation.

Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using TSC2 antibody (68380-1-Ig, Clone: 1A10B2) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red). This data was developed using the same antibody clone with 68380-1-PBS in a different storage buffer formulation.

MCF-7 cells were subjected to SDS PAGE followed by western blot with 68380-1-Ig (TSC2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68380-1-PBS in a different storage buffer formulation.
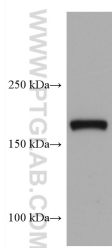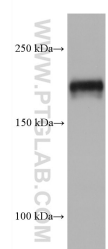

PC-3 cells were subjected to SDS PAGE followed by western blot with 68380-1-Ig (TSC2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68380-1-PBS in a different storage buffer formulation.

NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 68380-1-Ig (TSC2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68380-1-PBS in a different storage buffer formulation.
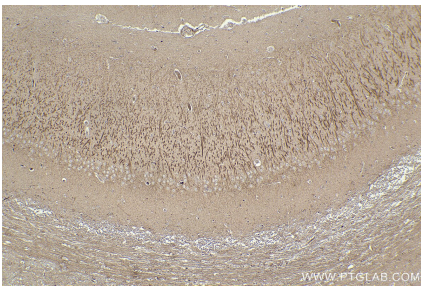

HSC-T6 cells were subjected to SDS PAGE followed by western blot with 68380-1-Ig (TSC2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68380-1-PBS in a different storage buffer formulation.
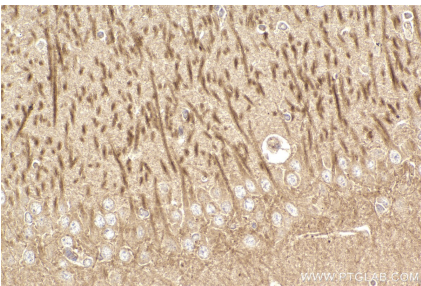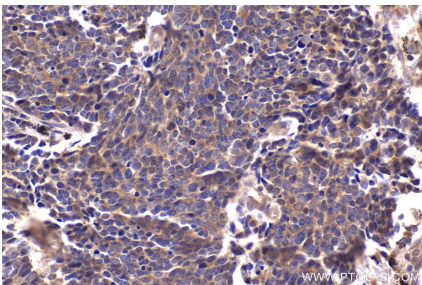

Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 68380-1-Ig (Tuberin/TSC2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68380-1-PBS in a different storage buffer formulation.

Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 68380-1-Ig (Tuberin/TSC2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68380-1-PBS in a different storage buffer formulation.

Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 68380-1-Ig (Tuberin/TSC2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68380-1-PBS in a different storage buffer formulation.