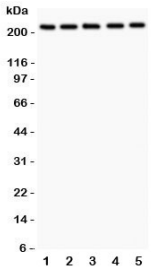
TSC2 Antibody (R31543)

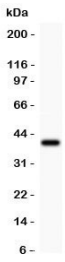
Catalog No.	Formulation	Size
R31543	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

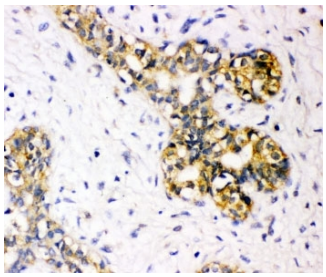
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
Gene ID	7249
Applications	Western blot: 0.5-1ug/ml IHC (FFPE): 0.5-1ug/ml
Limitations	This TSC2 antibody is available for research use only.



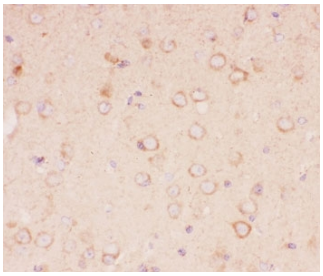
Western blot testing of TSC2 antibody and human samples 1: U20S; 2: PANC; 3: HEPG2; 4: A549; 5: COLO320. Expected/observed size 200~220KD



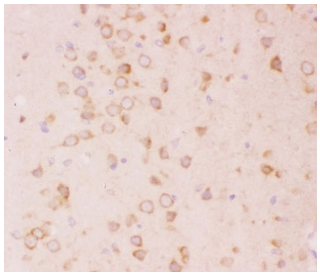
Western blot testing of TSC2 antibody and recombinant human protein (0.5ng)



IHC-P: TSC2 antibody testing of human breast cancer tissue



IHC-P: TSC2 antibody testing of mouse brain tissue



IHC-P: TSC2 antibody testing of rat brain tissue

Description

Tuberous sclerosis 2, also known as TSC2 or Tuberin is a protein that is in humans. Mutations in this gene lead to tuberous sclerosis complex. TSC2 is believed to be a tumor suppressor and is able to stimulate specific GTPases. It associates with hamartin in a cytosolic complex, possibly acting as a chaperone forHamartin. TSC2 is 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 andRAB5in vitro.

Application Notes

Titration of the TSC2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Human partial recombinant protein (AA 1611-1807) was used as the immunogen for this TSC2 antibody.

Storage

The lyophilized TSC2 antibody can be stored at 4oC to -20oC. After reconstitution, aliquot and store at -20oC. Avoid repeated freeze/thaws.

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