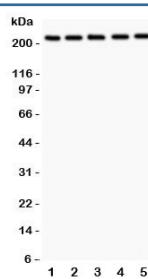


TSC2 Antibody (R31543)

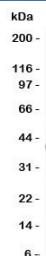
| Catalog No. | Formulation | Size |
|-------------|---|--------|
| R31543 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

Bulk quote request

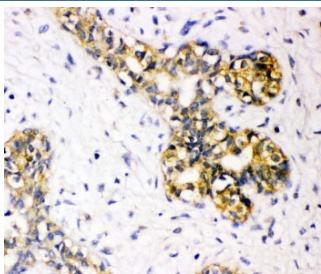
| | |
|---------------------------|---|
| Availability | 1-3 business days |
| Species Reactivity | Human, Mouse, Rat |
| Format | Antigen affinity purified |
| Host | Rabbit |
| Clonality | Polyclonal (rabbit origin) |
| Isotype | Rabbit IgG |
| Purity | Antigen affinity |
| Buffer | Lyophilized from 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. |



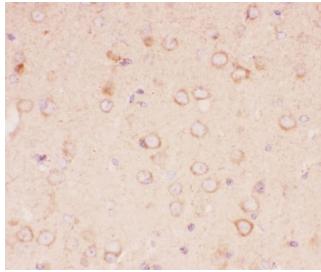
Western blot testing of TSC2 antibody and human samples 1: U20S; 2: PANC; 3: HEPG2; 4: A549; 5: COLO320. Expected/observed size 200~220KD



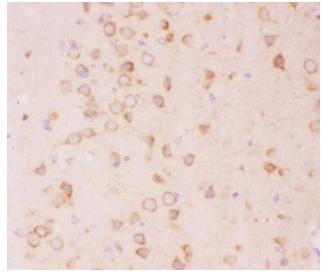
Western blot testing of TSC2 antibody and recombinant human protein (0.5ng)



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 for [Hamartin](#). 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 and [RAB5](#) in 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 4°C to -20°C. After reconstitution, aliquot and store at -20°C. Avoid repeated freeze/thaws.

