



Tuberin rabbit pAb

Cat No.:ES7451

For research use only

Overview

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|---------------------------------|---|
| Product Name | Tuberin rabbit pAb |
| Host species | Rabbit |
| Applications | IHC;IF;ELISA |
| Species Cross-Reactivity | Human;Mouse;Rat |
| Recommended dilutions | Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications. |
| Immunogen | The antiserum was produced against synthesized peptide derived from human Tuberin/TSC2. AA range:1428-1477 |
| Specificity | Tuberin Polyclonal Antibody detects endogenous levels of Tuberin protein. |
| Formulation | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Storage | Store at -20°C. Avoid repeated freeze-thaw cycles. |
| Protein Name | Tuberin |
| Gene Name | TSC2 |
| Cellular localization | Cytoplasm. Membrane; Peripheral membrane protein. At steady state found in association with membranes. |
| Purification | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| Clonality | Polyclonal |
| Concentration | 1 mg/ml |
| Observed band | |
| Human Gene ID | 7249 |
| Human Swiss-Prot Number | P49815 |
| Alternative Names | TSC2; TSC4; Tuberin; Tuberous sclerosis 2 protein |
| Background | 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 |

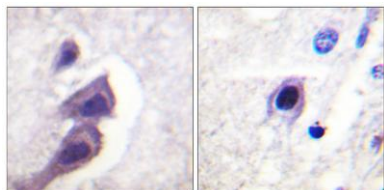




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hamartin. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008],

Immunohistochemistry analysis of paraffin-embedded human brain tissue, using Tuberin/TSC2 Antibody. The picture on the right is blocked with the synthesized peptide.



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