

Hamartin Rabbit pAb

CatalogNo: YT5760

Key Features

Host Species

- Rabbit

Reactivity

- Human,Rat,Mouse,

Applications

- WB,ELISA

MW

- 130kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000

ELISA 1:10000-20000

Storage

Storage*

-15°C to -25°C/1 year(Do not lower than -25°C)

Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality

Polyclonal

Immunogen Information

Immunogen

Synthesized peptide derived from Hamartin . at AA range: 360-440

Specificity

Hamartin Polyclonal Antibody detects endogenous levels of Hamartin

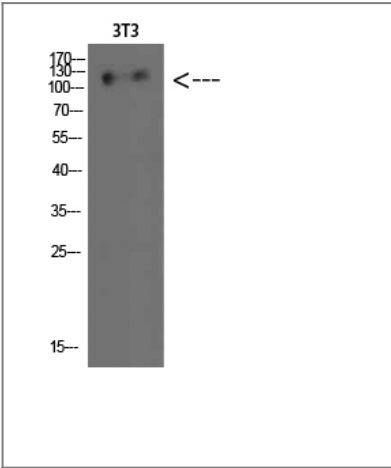
Target Information

Gene name

TSC1 KIAA0243 TSC

Protein Name	Hamartin		
	Organism	Gene ID	UniProt ID
	Human	7248;	Q92574;
	Mouse	64930;	Q9EP53;
Cellular Localization	Cytoplasm . Membrane ; Peripheral membrane protein . At steady state found in association with membranes. .		
Tissue specificity	Highly expressed in skeletal muscle, followed by heart, brain, placenta, pancreas, lung, liver and kidney. Also expressed in embryonic kidney cells.		
Function	<p>Disease:Defects in TSC1 are the cause of tuberous sclerosis complex (TSC) [MIM:191100]. The molecular basis of TSC is a functional impairment of the hamartin-tuberin complex. TSC is an autosomal dominant multi-system disorder that affects especially the brain, kidneys, heart, and skin. TSC is characterized by hamartomas (benign overgrowths predominantly of a cell or tissue type that occurs normally in the organ) and hamartias (developmental abnormalities of tissue combination). Clinical symptoms can range from benign hypopigmented macules of the skin to profound mental retardation with intractable seizures to premature death from a variety of disease-associated causes.,Disease:Defects in TSC1 may be a cause of focal cortical dysplasia of Taylor balloon cell type (FCD BC) [MIM:607341]. FCD BC is a subtype of cortical dysplasias linked to chronic intractable epilepsy. Cortical dysplasias display a broad spectrum of structural changes, which appear to result from changes in proliferation, migration, differentiation, and apoptosis of neuronal precursors and neurons during cortical development.,Domain:The C-terminal putative coiled-coil domain is necessary for interaction with TSC2.,Function:Implicated as a tumor suppressor. May have a function in vesicular transport. Interaction between TSC1 and TSC2 may facilitate vesicular docking.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,PTM:Phosphorylation at Ser-505 does not affect interaction with TSC2.,subcellular location:At steady state found in association with membranes.,subunit:Interacts with TSC2, leading to stabilize TSC2. In the absence of TSC2, TSC1 self-aggregates. Interacts with DOCK7.,tissue specificity:Highly expressed in skeletal muscle, followed by heart, brain, placenta, pancreas, lung, liver and kidney. Also expressed in embryonic kidney cells.,</p>		

| Validation Data



Western Blot analysis of 3T3 cells using Hamartin Polyclonal Antibody diluted at 1:500. Secondary antibody(catalog#:RS0002) was diluted at 1:20000

| Contact information

Orders: order.cn@immunoway.com
Support: support.cn@immunoway.com
Telephone: 400-8787-807(China)
Website: <http://www.immunoway.com.cn>
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



Please scan the QR code
to access additional
product information:
**Hamartin Rabbit
pAb**

For Research Use Only. Not for Use in Diagnostic Procedures.

[Antibody](#) | [ELISA Kits](#) | [Protein](#) | [Reagents](#)