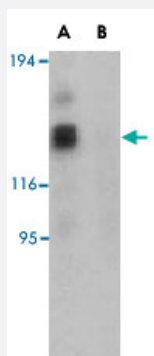


TSC1 polyclonal antibody

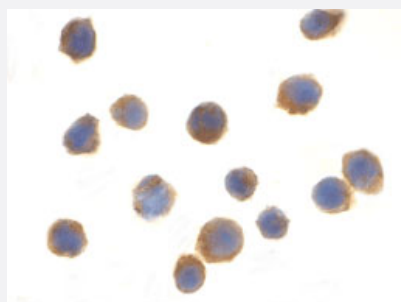
Catalog # PAB13145 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of TSC1 in EL4 cell lysate with TSC1 polyclonal antibody (Cat # PAB13145) at 1 ug/mL in the (A) absence and (B) presence of blocking peptide.



Immunocytochemistry

Immunocytochemistry of TSC1 in EL4 cells with TSC1 polyclonal antibody (Cat # PAB13145) at 2 ug/mL

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of TSC1.
Immunogen	A synthetic peptide corresponding to internal region 15 amino acids of human TSC1.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	TSC1 antibody will recognize both isoforms of TSC1.
Form	Liquid

Recommend Usage	Western Blot (1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of TSC1 in EL4 cell lysate with TSC1 polyclonal antibody (Cat # PAB13145) at 1 ug/mL in the (A) absence and (B) presence of blocking peptide.

- Immunocytochemistry

Immunocytochemistry of TSC1 in EL4 cells with TSC1 polyclonal antibody (Cat # PAB13145) at 2 ug/mL

Gene Info — TSC1

Entrez GeneID	7248
Protein Accession#	AAC51674
Gene Name	TSC1
Gene Alias	KIAA0243, LAM, MGC86987, TSC
Gene Description	tuberous sclerosis 1
Omim ID	191100 605284 606690 607341
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a growth inhibitory protein thought to play a role in the stabilization of tuberin. Mutations in this gene have been associated with tuberous sclerosis. Alternative splicing results in multiple transcript variants. [provided by RefSeq]
Other Designations	OTTHUMP00000022439 hamartin tuberous sclerosis 1 protein tumor suppressor

Publication Reference

- [Signaling by target of rapamycin proteins in cell growth control.](#)

Inoki K, Ouyang H, Li Y, Guan KL.

Microbiology and Molecular Biology Reviews: MMBR 2005 Mar; 69(1):79.

- [Integration of growth factor and nutrient signaling: implications for cancer biology.](#)

Shamji AF, Nghiem P, Schreiber SL.

Molecular Cell 2003 Aug; 12(2):271.

- [Rheb GTPase is a direct target of TSC2 GAP activity and regulates mTOR signaling.](#)

Inoki K, Li Y, Xu T, Guan KL.

Genes & Development 2003 Jul; 17(15):1829.

Pathway

- [Insulin signaling pathway](#)
- [mTOR signaling pathway](#)

Disease

- [Adenocarcinoma](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Colonic Neoplasms](#)
- [Epilepsy](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Hypertension](#)
- [Malformations of Cortical Development](#)

- [NARP](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Rectal Neoplasms](#)
- [Tuberous sclerosis](#)