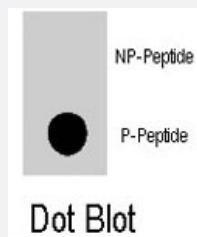


TSC2 (phospho S1420) polyclonal antibody

Catalog # PAB8152 Size 400 uL

Applications



Dot Blot (Peptide)

Dot blot analysis of TSC2 (phospho S1420) polyclonal antibody (Cat # PAB8152) on nitrocellulose membrane. 50 ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.5 ug/mL.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of TSC2.
Immunogen	Synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding S1420 of human TSC2.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Peptide affinity purification
Recommend Usage	ELISA (1:1000) Dot Blot (1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. 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

- Enzyme-linked Immunoabsorbent Assay
- Dot Blot (Peptide)

Dot blot analysis of TSC2 (phospho S1420) polyclonal antibody (Cat # PAB8152) on nitrocellulose membrane. 50 ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.5 ug/mL.

Gene Info — TSC2

Entrez GeneID	7249
Protein Accession#	NP_000539;P49815
Gene Name	TSC2
Gene Alias	FLJ43106, LAM, TSC4
Gene Description	tuberous sclerosis 2
Omim ID	191092 191100 606690
Gene Ontology	Hyperlink
Gene Summary	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 hamartin. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq]
Other Designations	tuberin

Publication Reference

- [Biochemical and functional characterizations of small GTPase Rheb and TSC2 GAP activity.](#)

Li Y, Inoki K, Guan KL.

Molecular and Cellular Biology 2004 Sep; 24(18):7965.

- [Regulation of the TSC pathway by LKB1: evidence of a molecular link between tuberous sclerosis complex and Peutz-Jeghers syndrome.](#)

Corradetti MN, Inoki K, Bardeesy N, DePinho RA, Guan KL.

Genes & Development 2004 Jul; 18(13):1533.

- [Regulation of B-Raf kinase activity by tuberin and Rheb is mammalian target of rapamycin \(mTOR\)-independent.](#)

Karbowniczek M, Cash T, Cheung M, Robertson GP, Astrinidis A, Henske EP.

The Journal of Biological Chemistry 2004 May; 279(29):29930.

Pathway

- [Insulin signaling pathway](#)
- [mTOR signaling pathway](#)
- [p53 signaling pathway](#)

Disease

- [Adenocarcinoma](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Colonic Neoplasms](#)
- [Cysts](#)
- [Depressive Disorder](#)
- [Epilepsy](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Malformations of Cortical Development](#)
- [Mental Disorders](#)
- [NARP](#)

- [Pigmentation Disorders](#)
- [Rectal Neoplasms](#)
- [Tuberous sclerosis](#)
- [Urinary Bladder Neoplasms](#)