

Datasheet for ABIN1532185
anti-Tuberin antibody (pTyr1571)



[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	Tuberin (TSC2)
Binding Specificity:	AA 1537-1586, pTyr1571
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Tuberin antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	The antiserum was produced against synthesized peptide derived from human TSC2 around the phosphorylation site of Tyr1571.
Isotype:	IgG
Specificity:	TSC2 (Phospho-Tyr1571) Antibody detects endogenous levels of TSC2 only when phosphorylated at Tyr1571. PhosphorylationH:Y1571 M:Y1572 R:Y1573
Purification:	The antibody was purified from rabbit antiserum by affinity-chromatography using phospho peptide. The antibody against non-phospho peptide was removed by chromatography using corresponding non-phospho peptide.
Purity:	> 95 %

Target Details

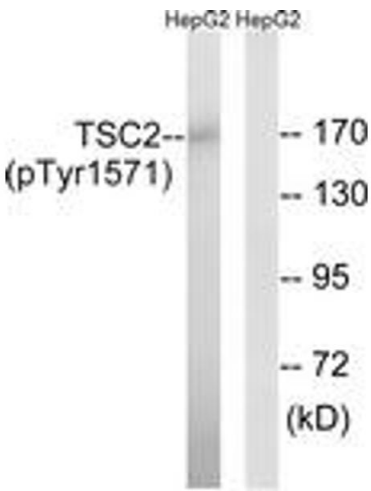
Target:	Tuberin (TSC2)
Alternative Name:	TSC2 (TSC2 Products)
Background:	Synonyms: TSC2, tuberous sclerosis 2 gene, Tuberous sclerosis 2 homolog protein, Tuberous sclerosis 2 protein NCBI Gene Symbol: TSC2
Molecular Weight:	200 kDa
Gene ID:	7249
OMIM:	191092
UniProt:	P49815
Pathways:	RTK Signaling , AMPK Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Regulation of Cell Size , Tube Formation , Protein targeting to Nucleus

Application Details

Application Notes:	IHC: 1:50~1:100 ELISA: 1:5000
Comment:	Unigene-Number: Hs.66196, Hs.90303 (NCBI Gene Symbol: TSC2)
Restrictions:	For Research Use only

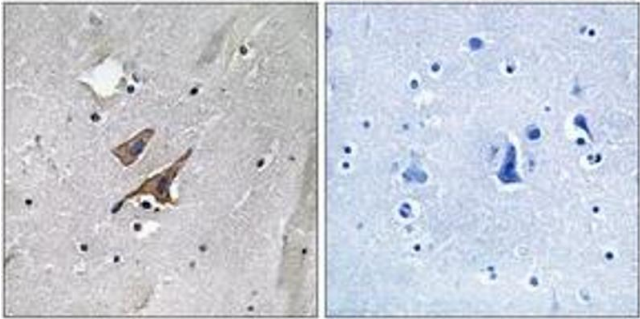
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Stable at -20°C for at least 1 year.
Expiry Date:	12 months



Western Blotting

Image 1.



Immunohistochemistry

Image 2. Immunohistochemistry analysis of paraffin-embedded human brain, using TSC2 (Phospho-Tyr1571) Antibody. The picture on the right is treated with the synthesized peptide.