

Datasheet for ABIN185619
anti-TSC1 antibody (C-Term)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	TSC1
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This TSC1 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	Hamartin / TSC1 (isoform 1)
Immunogen:	Peptide with sequence C-QLHIMDYNETHHEH, from the C Terminus of the protein sequence according to NP_000359.1.
Sequence:	QLHIMDYNETHHEH
Isotype:	IgG
Specificity:	This antibody is expected to recognise isoform 1 (NP_000359.1) only.
Cross-Reactivity:	Dog, Human, Mouse, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

Target Details

Target:	TSC1
Alternative Name:	TSC1 (TSC1 Products)
Background:	TSC1, hamartin, tuberous sclerosis 1 , HGNC:12362, KIAA0243, LAM, MGC86987, TSC, tuberous sclerosis 1 protein, tumor suppressor
Gene ID:	7248, 64930
NCBI Accession:	NP_000359
Pathways:	RTK Signaling , AMPK Signaling , Regulation of Cell Size , Tube Formation

Application Details

Application Notes:	Immunohistochemistry: Paraffin embedded Human Uterus and Liver. Recommended concentration: 3.75 µg/mL. Western Blot: Approx 150 kDa band observed in Human Brain lysates (calculated MW of 130 kDa according to NP_000359.1). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Miloloza et al Hum Mol Genet. 2000 Peptide ELISA: antibody detection limit dilution 1:128000.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.



Western Blotting

Image 1. ABIN185619 (0.1µg/ml) staining of Human Brain lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.