

## Goat anti-Hamartin / TSC1 (isoform 1) Antibody

<b>Item Number</b>	dAP-0823
<b>Target Molecule</b>	Principle Name: Hamartin / TSC1 (isoform 1); Official Symbol: TSC1; All Names and Symbols: TSC1; hamartin; tuberous sclerosis 1 ; HGNC:12362; KIAA0243; LAM; MGC86987; TSC; tuberous sclerosis 1 protein; tumor suppressor; Accession Number (s): NP_000359.1; Human Gene ID(s): 7248; Non-Human GeneID(s): 64930 (mouse)
<b>Immunogen</b>	QLHIMDYNETHHEH, is from C Terminus This antibody is expected to recognise isoform 1 (NP_000359.1) only.
<b>Applications</b>	Pep ELISA, WB, IHC  Species Tested: Human
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 128000.
<b>Western Blot</b>	Western Blot: Approx 150kDa band observed in Human Brain lysates (calculated MW of 130kDa 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
<b>IHC</b>	Immunohistochemistry: In paraffin embedded Human Uterus shows membranous staining around non-basal nuclei and at the lumen of the endometrial gland. Recommended concentration, 3-6µg/ml.
<b>Reference</b>	Reference(s): Chan JA, Zhang H, Roberts PS, Jozwiak S, Wieslawa G, Lewin-Kowalik J, Kotulska K, Kwiatkowski DJ. Pathogenesis of tuberous sclerosis subependymal giant cell astrocytomas: biallelic inactivation of TSC1 or TSC2 leads to mTOR activation. J Neuropathol Exp Neurol. 2004 Dec;63(12):1236-42. .PMID:

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**