


Product datasheet

Anti-Tuberin antibody ab59275

画像数 1

製品の概要

製品名	Anti-Tuberin antibody
製品の詳細	Rabbit polyclonal to Tuberin
アプリケーション	適用あり: IHC-P, ELISA
種交差性	交差種: Human 交差が予測される動物種: Mouse, Rat 
免疫原	A synthesized non-phosphopeptide derived from human Tuberin around the phosphorylation site of threonine 1462 (G-Y-T ^P -I-S).
ポジティブ・コントロール	Human breast carcinoma tissue.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
バッファー	Preservative: 0.02% Sodium Azide Constituents: 50% Glycerol, PBS (without Mg ²⁺ and Ca ²⁺), 150mM Sodium chloride, pH 7.4
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab59275** in the following tested applications.

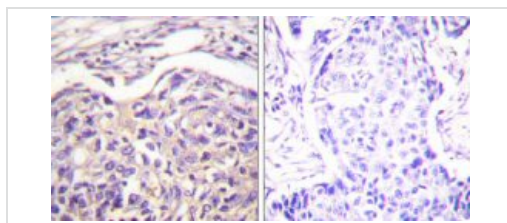
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
IHC-P		Use at an assay dependent concentration.
ELISA		1/5000.

ターゲット情報

機能	In complex with TSC1, inhibits the nutrient-mediated or growth factor-stimulated phosphorylation of S6K1 and EIF4EBP1 by negatively regulating mTORC1 signaling. Acts as a GTPase-activating protein (GAP) for the small GTPase RHEB, a direct activator of the protein kinase activity of mTORC1. Implicated as a tumor suppressor. Involved in microtubule-mediated protein transport, but this seems to be due to unregulated mTOR signaling. Stimulates weakly the intrinsic GTPase activity of the Ras-related proteins RAP1A and RAB5 in vitro. Mutations in TSC2 lead to constitutive activation of RAP1A in tumors.
組織特異性	Liver, brain, heart, lymphocytes, fibroblasts, biliary epithelium, pancreas, skeletal muscle, kidney, lung and placenta.
関連疾患	<p>Defects in TSC2 are the cause of tuberous sclerosis type 2 (TSC2) [MIM:613254]. TSC2 is an autosomal dominant multi-system disorder that affects especially the brain, kidneys, heart, and skin. It is characterized by hamartomas (benign overgrowths predominantly of a cell or tissue type that occurs normally in the organ) and hamartias (developmental abnormalities of tissue combination). Clinical symptoms can range from benign hypopigmented macules of the skin to profound mental retardation with intractable seizures to premature death from a variety of disease-associated causes.</p> <p>Defects in TSC2 are a cause of lymphangi leiomyomatosis (LAM) [MIM:606690]. LAM is a progressive and often fatal lung disease characterized by a diffuse proliferation of abnormal smooth muscle cells in the lungs. It affects almost exclusively young women and can occur as an isolated disorder or in association with tuberous sclerosis complex.</p>
配列類似性	Contains 1 Rap-GAP domain.
翻訳後修飾	Phosphorylation at Ser-1387, Ser-1418 or Ser-1420 does not affect interaction with TSC1. Phosphorylation at Ser-939 and Thr-1462 by PKB/AKT1 is induced by growth factor stimulation.
細胞内局在	Cytoplasm. Membrane. At steady state found in association with membranes.

画像



Immunohistochemistry (Paraffin-embedded sections)
- Tuberin antibody (ab59275)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using ab59275 at a dilution of 1/50-1/100. Left hand image - without immunising peptide; right hand image - with immunising peptide.

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