

Anti-Hamartin antibody ab25882

2 References [画像数 2](#)

製品の概要

製品名	Anti-Hamartin antibody
製品の詳細	Rabbit polyclonal to Hamartin
由来種	Rabbit
特異性	This antibody will recognise both isoforms of TSC1.
アプリケーション	適用あり: ICC/IF, WB
種交差性	交差種: Mouse
免疫原	Synthetic peptide - a 15 amino acid peptide from the middle region of human TSC1 (Human). Peptide available as ab95277 .
ポジティブ・コントロール	EL4 cell lysate can be used as positive control
特記事項	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C.
バッファー	pH: 7.2 Preservative: 0.02% Sodium azide Constituent: PBS
精製度	Protein A 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

The Abpromise guarantee

Abpromise保証は、次のテスト済みアプリケーションにおけるab25882の使用に適用されます

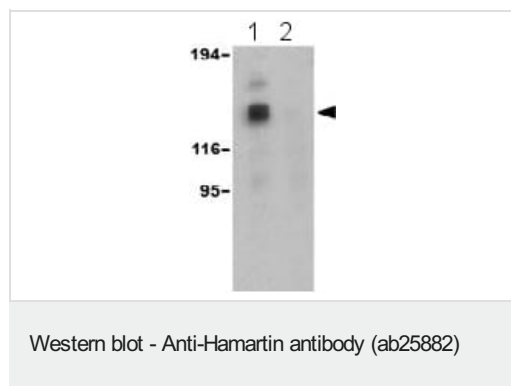
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
ICC/IF		Use a concentration of 2 µg/ml.
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 130 kDa (predicted molecular weight: 130 kDa).

ターゲット情報

機能	In complex with TSC2, inhibits the nutrient-mediated or growth factor-stimulated phosphorylation of S6K1 and EIF4EBP1 by negatively regulating mTORC1 signaling. Seems not to be required for TSC2 GAP activity towards RHEB. Implicated as a tumor suppressor. Involved in microtubule-mediated protein transport, but this seems to be due to unregulated mTOR signaling.
組織特異性	Highly expressed in skeletal muscle, followed by heart, brain, placenta, pancreas, lung, liver and kidney. Also expressed in embryonic kidney cells.
関連疾患	Defects in TSC1 are the cause of tuberous sclerosis type 1 (TSC1) [MIM:191100]. It is an autosomal dominant multi-system disorder that affects especially the brain, kidneys, heart, and skin. TS1C 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. Defects in TSC1 may be a cause of focal cortical dysplasia of Taylor balloon cell type (FCDBC) [MIM:607341]. FCDBC is a subtype of cortical dysplasias linked to chronic intractable epilepsy. Cortical dysplasias display a broad spectrum of structural changes, which appear to result from changes in proliferation, migration, differentiation, and apoptosis of neuronal precursors and neurons during cortical development.
ドメイン	The C-terminal putative coiled-coil domain is necessary for interaction with TSC2.
翻訳後修飾	Phosphorylation at Ser-505 does not affect interaction with TSC2. Phosphorylated upon DNA damage, probably by ATM or ATR.
細胞内局在	Cytoplasm. Membrane. At steady state found in association with membranes.

画像



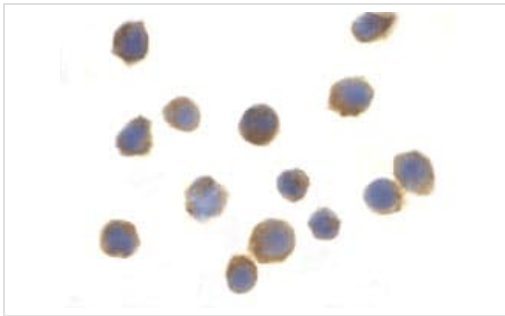
All lanes : Anti-Hamartin antibody (ab25882) at 1 µg/ml

Lane 1 : EL4 cell lysate with absence of blocking peptide

Lane 2 : EL4 cell lysate with presence of blocking peptide

Predicted band size: 130 kDa

Observed band size: 130 kDa



ab25882 at 2µg/ml staining Hamartin in EL4 (mouse) cells by ICC/IF

Immunocytochemistry/ Immunofluorescence - Anti-Hamartin antibody (ab25882)

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