

Anti-Raptor antibody ab62454

画像数 3

製品の概要

製品名	Anti-Raptor antibody
製品の詳細	Rabbit polyclonal to Raptor
由来種	Rabbit
特異性	This antibody reacts with Raptor. Raptor has multiple isoforms that may also be recognized by this antibody.
アプリケーション	適用あり: WB, ICC/IF, ICC
種交差性	交差種: Mouse
免疫原	A 15 amino acid synthetic peptide from the central region of human Raptor
ポジティブ・コントロール	L1210 cell lysate and L1210 cells
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	<p>pH: 7.2</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituent: PBS</p>
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

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ab62454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
WB		Use a concentration of 2 - 4 µg/ml. Detects a band of approximately 149 kDa (predicted molecular weight: 149 kDa).
ICC/IF		Use a concentration of 10 µg/ml.
ICC		Use a concentration of 1 µg/ml.

ターゲット情報

機能	Involved in the control of the mammalian target of rapamycin complex 1 (mTORC1) activity which regulates cell growth and survival, and autophagy in response to nutrient and hormonal signals; functions as a scaffold for recruiting mTORC1 substrates. mTORC1 is activated in response to growth factors or amino-acids. Growth factor-stimulated mTORC1 activation involves a AKT1-mediated phosphorylation of TSC1-TSC2, which leads to the activation of the RHEB GTPase that potentially activates the protein kinase activity of mTORC1. Amino-acid-signaling to mTORC1 requires its relocalization to the lysosomes mediated by the Ragulator complex and the Rag GTPases. Activated mTORC1 up-regulates protein synthesis by phosphorylating key regulators of mRNA translation and ribosome synthesis. mTORC1 phosphorylates EIF4EBP1 and releases it from inhibiting the elongation initiation factor 4E (eIF4E). mTORC1 phosphorylates and activates S6K1 at 'Thr-389', which then promotes protein synthesis by phosphorylating PDCD4 and targeting it for degradation.
組織特異性	Highly expressed in skeletal muscle, and in a lesser extent in brain, lung, small intestine, kidney and placenta.
配列類似性	Belongs to the WD repeat RAPTOR family. Contains 7 WD repeats.
細胞内局在	Cytoplasm. Lysosome. Targeting to lysosomes depends on amino acid availability.

画像



Lane 1 : Anti-Raptor antibody (ab62454) at 2 µg/ml

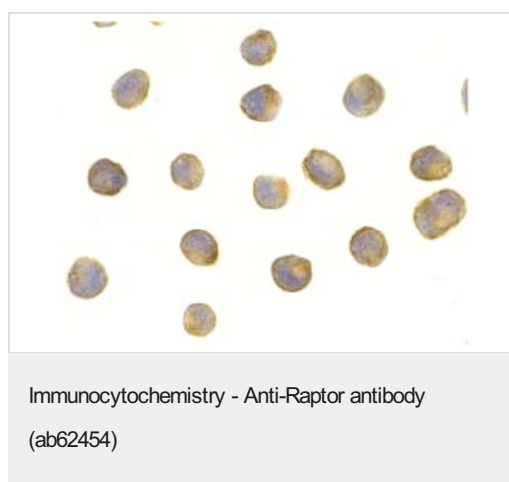
Lane 2 : Anti-Raptor antibody (ab62454) at 4 µg/ml

All lanes : L1210 cell lysate

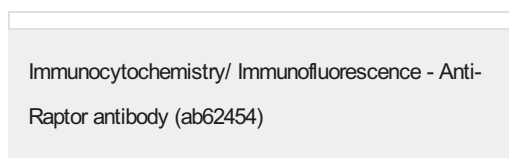
Lysates/proteins at 15 µg per lane.

Predicted band size: 149 kDa

Observed band size: 149 kDa



Immunocytochemical staining of L1210 cells using Raptor antibody at 1 µg/ml.



Immunofluorescence of Raptor in L1210 cells using ab62454 at 10 µg/ml.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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