


Anti-CDK5RAP2 antibody ab70213

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製品の概要

製品名	Anti-CDK5RAP2 antibody
製品の詳細	Rabbit polyclonal to CDK5RAP2
由来種	Rabbit
特異性	We have data to indicate that this antibody may not cross react with Mouse. However, this has not been conclusively tested and expression levels may vary in certain cell lines/tissues.
アプリケーション	適用あり: WB, IP
種交差性	交差種: Human 交差が予測される動物種: Chimpanzee, Gorilla, African green monkey 
免疫原	Synthetic peptide corresponding to a region between residues 900 and 950 of human CDK5RAP2
ポジティブ・コントロール	Whole cell lysate from HeLa 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. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	pH: 7 Preservative: 0.09% Sodium azide Constituents: 1.815% Tris, 1.764% Sodium citrate, 0.021% PBS
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

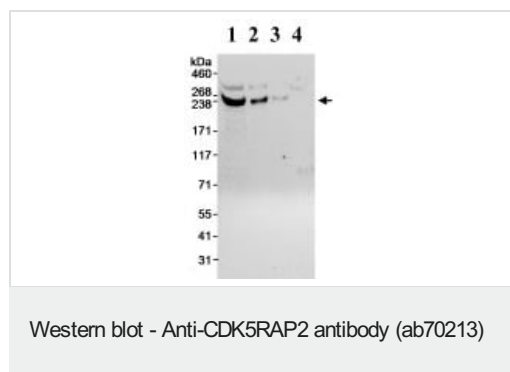
The Abpromise guarantee **Abpromise保証は、** 次のテスト済みアプリケーションにおけるab70213の使用に適用されます
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		1/2500 - 1/15000. Detects a band of approximately 238 kDa (predicted molecular weight: 215 kDa).
IP		Use at 3-5 µg/mg of lysate.

ターゲット情報

機能	Potential regulator of CDK5 activity via its interaction with CDK5R1. Negative regulator of centriole disengagement (licensing) which maintains centriole engagement and cohesion. Involved in regulation of mitotic spindle orientation (By similarity). Plays a role in the spindle checkpoint activation by acting as a transcriptional regulator of both BUBR1 and MAD2 promoter. Together with MAPRE1, it may promote microtubule polymerization, bundle formation, growth and dynamics at the plus ends.
組織特異性	Widely expressed. Expressed in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas.
関連疾患	Defects in CDK5RAP2 are the cause of microcephaly primary type 3 (MCPH3) [MIM:604804]. A disorder defined as a head circumference more than 3 standard deviations below the age-related mean. Brain weight is markedly reduced and the cerebral cortex is disproportionately small. Despite this marked reduction in size, the gyral pattern is relatively well preserved, with no major abnormality in cortical architecture. Primary microcephaly is further defined by the absence of other syndromic features or significant neurological deficits.
翻訳後修飾	Phosphorylated in vitro by CDK5.
細胞内局在	Cytoplasm > cytoskeleton > centrosome. Golgi apparatus. Cytoplasm. Found in the pericentriolar region adhering to the surface of the centrosome and in the region of the centrosomal appendages. Localizes to microtubule plus ends.

画像



All lanes : Anti-CDK5RAP2 antibody (ab70213) at 0.1 µg/ml

Lane 1 : Whole cell lysate from HeLa cells at 50 µg

Lane 2 : Whole cell lysate from HeLa cells at 15 µg

Lane 3 : Whole cell lysate from HeLa cells at 5 µg

Lane 4 : Whole cell lysate from NIH3T3 cells at 50 µg

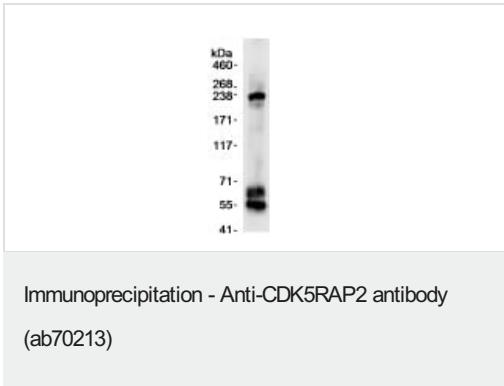
Developed using the ECL technique.

Predicted band size: 215 kDa

Observed band size: 238 kDa

Additional bands at: 330 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 30 seconds



Detection of Human CDK5RAP2 by Immunoprecipitation in Whole cell lysate from HeLa cells (1 mg/IP, 1/4 of IP loaded) using affinity purified rabbit anti-CDK5RAP2 antibody ab70213 at 3 µg/mg of lysate for IP and at 0.1 µg/ml for subsequent WB detection. Note: bands between 55 and 71 kDa represent the IgG chains.

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