

Anti-SMC2 antibody ab10412

★★★★★ **1 Abreviews** **22 References** 画像数 **2**

製品の概要

製品名	Anti-SMC2 antibody
製品の詳細	Rabbit polyclonal to SMC2
由来種	Rabbit
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, Rhesus monkey, Gorilla, Orangutan 
免疫原	Synthetic peptide. The epitope maps to a region between residue 1150 and the C-terminus (residue 1197) of human Structural Maintenance of Chromosomes 2 using the numbering given in entry NP_006435.1 (GeneID 10592).
ポジティブ・コントロール	IP: HeLa cell lysates; WB: HeLa and HEK293 cell lysates
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: 0.1% Sodium azide Constituents: 0.021% PBS, 1.764% Sodium citrate, 1.815% Tris
精製度	Immunogen affinity purified
特記事項(精製)	Antibodies were affinity purified using the peptide immobilized on solid support.
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ab10412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 0.1 µg/ml. Detects a band of approximately 140 kDa (predicted molecular weight: 137 kDa).
IP		Use a concentration of 1 µg/ml.

ターゲット情報

機能

Central component of the condensin complex, a complex required for conversion of interphase chromatin into mitotic-like condense chromosomes. The condensin complex probably introduces positive supercoils into relaxed DNA in the presence of type I topoisomerases and converts nicked DNA into positive knotted forms in the presence of type II topoisomerases.

配列類似性

Belongs to the SMC family. SMC2 subfamily.

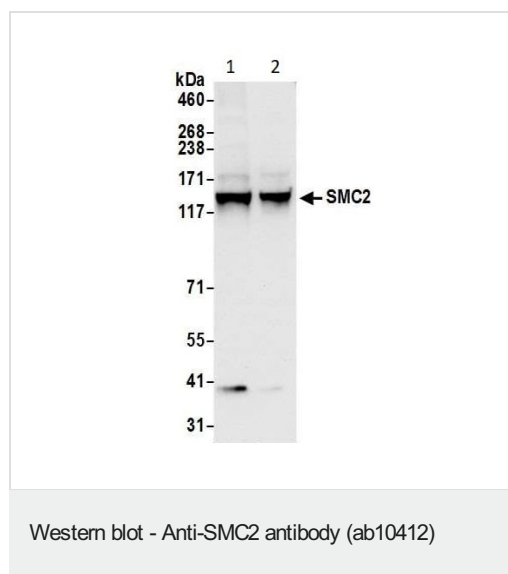
ドメイン

The hinge domain, which separates the large intramolecular coiled coil regions, allows the heterodimerization with SMC4, forming a V-shaped heterodimer.

細胞内局在

Nucleus. Cytoplasm. Chromosome. In interphase cells, the majority of the condensin complex is found in the cytoplasm, while a minority of the complex is associated with chromatin. A subpopulation of the complex however remains associated with chromosome foci in interphase cells. During mitosis, most of the condensin complex is associated with the chromatin. At the onset of prophase, the regulatory subunits of the complex are phosphorylated by CDC2, leading to condensin's association with chromosome arms and to chromosome condensation. Dissociation from chromosomes is observed in late telophase.

画像



All lanes : Anti-SMC2 antibody (ab10412) at 0.1 µg/ml

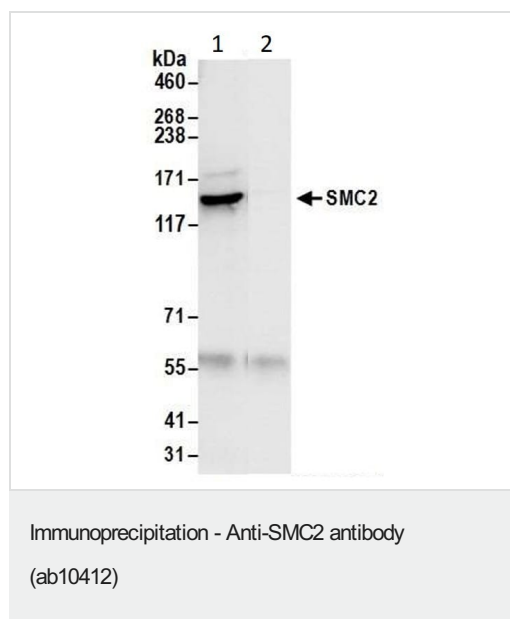
Lane 1 : HeLa cell lysate

Lane 2 : HEK293 cell lysate

Lysates/proteins at 50 µg per lane.

Predicted band size: 137 kDa

Exposure time: 3 seconds



Immunoprecipitation of Human Aurora A with ab10412 at 1 µg/mL.

Lane 1: ab10412 + Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer.

Lane 2: IgG control + Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer.

Detection: Chemiluminescence

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