


Product datasheet

Anti-KIF14 antibody ab71155

画像数 4

製品の概要

製品名	Anti-KIF14 antibody
製品の詳細	Rabbit polyclonal to KIF14
アプリケーション	適用あり: WB, IP, IHC-P, ICC, ICC/IF
種交差性	交差種: Human 交差が予測される動物種: Chimpanzee, Gorilla 
免疫原	Synthetic peptide corresponding to a region between residue 1600 and the C-terminus (residue 1648) of human KIF14 (NP_055690.1).
ポジティブ・コントロール	Whole cell lysates from Hela cells and 293T cells.

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	Preservative: 0.09% Sodium Azide Constituents: 0.1% BSA, Tris buffered saline
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 **ab71155** in the following tested applications.

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

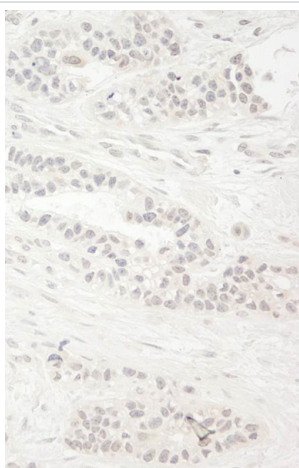
アプリケーション	Abreviews	特記事項
WB		1/2000 - 1/10000. Detects a band of approximately 210 kDa (predicted molecular weight: 186 kDa).
IP		Use at 2-5 µg/mg of lysate.

アプリケーション	Abreviews	特記事項
IHC-P		1/200 - 1/1000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
ICC		1/200 - 1/1000. Permeabilization with Triton-X 100 is recommended for formaldehyde-fixed cells.
ICC/IF		Use at an assay dependent concentration.

ターゲット情報

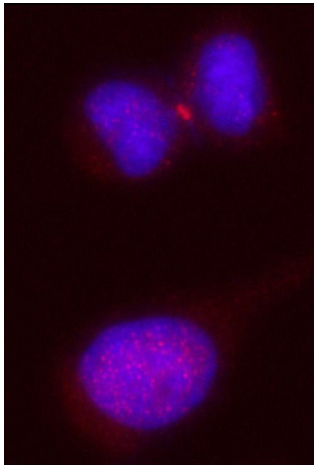
機能	Plays an essential role in cytokinesis.
配列類似性	Belongs to the kinesin-like protein family. Contains 1 FHA domain. Contains 1 kinesin-motor domain.
発生段階	Up-regulated in cells progressing through G2/M phase.
細胞内局在	Nucleus. Cytoplasm. Cytoplasm > cytoskeleton > spindle. Nuclear localization observed during interphase in PubMed:16431929 or triggered by entry into mitosis in PubMed:16648480. Cytoplasmic in interphase (PubMed:16648480) and metaphase cells (PubMed:16431929). From prophase to metaphase, accumulates at the developing spindle poles and their associated microtubules. During anaphase, accumulates at the spindle midzone. Localization to the central spindle and midbody during anaphase is dependent upon PRC1 and CIT presence. In cells ready to undergo abscission, concentrates at the contractile ring.

画像



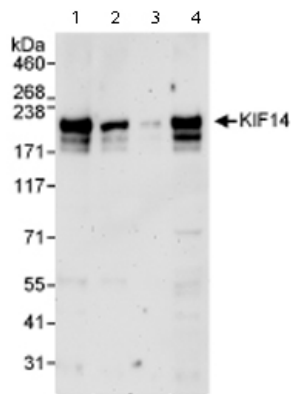
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human breast carcinoma tissue labelling KIF14 with ab71155 at 1/200 (1µg/ml).
Detection: DAB.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-KIF14 antibody (ab71155)



Immunocytochemistry/ Immunofluorescence - Anti-KIF14 antibody (ab71155)

Immunocytochemistry/Immunofluorescence analysis of formaldehyde-fixed HeLa cells labelling KIF14 with ab71155 at 1/100 (2µg/ml). A red-fluorescent goat anti-rabbit IgG (1/100) was used as the secondary antibody.



Western blot - KIF14 antibody (ab71155)

All lanes : Anti-KIF14 antibody (ab71155) at 0.04 µg/ml

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

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

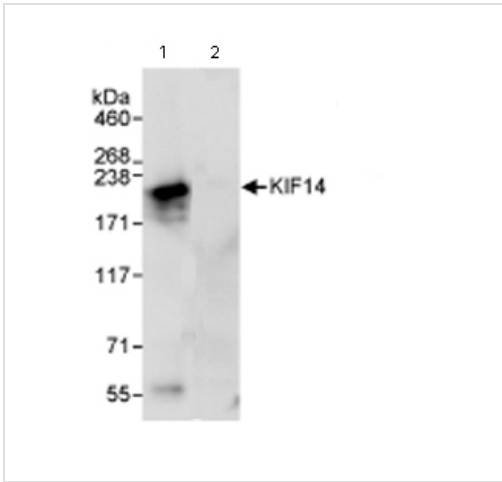
Lane 3 : Whole cell lysate from HeLa cells at 5 µg

Lane 4 : Whole cell lysate from 293T cells at 50 µg

Predicted band size : 186 kDa

Observed band size : 210 kDa

Additional bands at : 180 kDa, 190 kDa, 60 kDa, 75 kDa. We are unsure as to the identity of these extra bands.



Immunoprecipitation - KIF14 antibody (ab71155)

Immunoprecipitation of HeLa whole cell lysate (1 mg) using ab71155 at 3 µg/mg lysate (lane 1) or control IgG (lane 2). 20% of immunoprecipitate was analysed by Western blot using ab71155 at 1 µg/ml.

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