abcam

Product datasheet

Anti-Cdc25B (phospho S353) antibody ab59431

画像数 1

製品の概要

製品名	Anti-Cdc25B (phospho S353) antibody
製品の詳細	Rabbit polyclonal to Cdc25B (phospho S353)
由来種	Rabbit
特異性	Detects endogenous levels of Cdc25B only when phosphorylated at serine 353.
アプリケーション	**適用あり:** ELISA, IHC-P
種交差性	**交差種:** Human
免疫原	Synthetic phosphopeptide derived from human CdC25B around the phosphorylation site of serine 353 (R-R-S^P-V-T).
ポジティブ・コントロール	Brain tissue

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
バッファー	Preservative: 0.02% Sodium Azide Constituents: 50% Glycerol, PBS, 150mM Sodium chloride, pH 7.4
精製度	Immunogen affinity purified
特記事項（精製）	The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
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ab59431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。

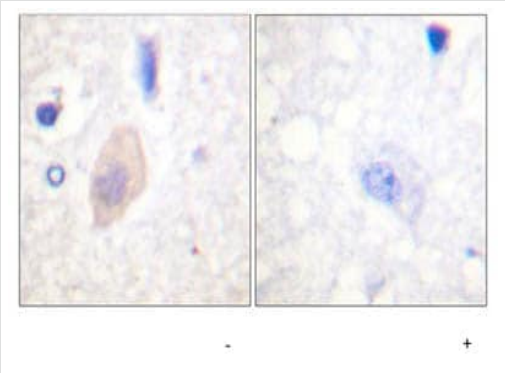
アプリケーション	Abreviews	特記事項
ELISA		1/40000.

アプリケーション	Abreviews	特記事項
IHC-P		1/50 - 1/100.

ターゲット情報

機能	Tyrosine protein phosphatase which functions as a dosage-dependent inducer of mitotic progression. Required for G2/M phases of the cell cycle progression and abscission during cytokinesis in a ECT2-dependent manner. Directly dephosphorylates CDK1 and stimulates its kinase activity. The three isoforms seem to have a different level of activity.
配列類似性	Belongs to the MPI phosphatase family. Contains 1 rhodanese domain.
翻訳後修飾	Phosphorylated by BRSK1 in vitro. Phosphorylated by CHEK1, which inhibits the activity of this protein. Phosphorylation at Ser-353 by AURKA might locally participate in the control of the onset of mitosis. Phosphorylation by MELK at Ser-169 promotes localization to the centrosome and the spindle poles during mitosis. Phosphorylation at Ser-323 and Ser-375 by MAPK14 is required for binding to 14-3-3 proteins.
細胞内局在	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, spindle pole.

画像



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cdc25B (phospho S353) antibody (ab59431)

ab59431, at a 1/50 dilution, staining paraffin embedded human brain tissue sections by Immunohistochemistry in the absence (left image) or presence (right image) of the phosphopeptide.

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