

Product datasheet

Anti-VRK1 antibody ab76864

画像数 3

製品の概要

製品名	Anti-VRK1 antibody
製品の詳細	Mouse polyclonal to VRK1
由来種	Mouse
アプリケーション	適用あり: WB, ICC/IF
種交差性	交差種: Human
免疫原	Recombinant full length human VRK1 protein (NP_003375.1, 1 a.a. ~ 396 a.a)
ポジティブ・コントロール	Transfected 293T cell lysate, human pancreas tissue lysate and HeLa 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 or -80°C. Avoid repeated freeze / thaw cycles.
バッファー	Preservative: None Constituents: 1X PBS, pH 7.2
精製度	Protein A 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 **ab76864** 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		
ICC/IF		

追加情報

ICC/IF: Use at a concentration of 10 µg/ml of the purified antibody.
WB: 1/500 - 1/1000. Detects a band of approximately 50 kDa (predicted molecular weight: 45

kDa).

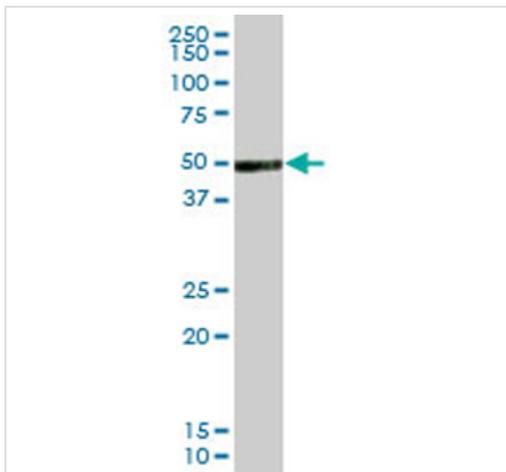
Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

ターゲット情報

機能	Serine/threonine kinase that phosphorylates 'Thr-18' of p53/TP53 and may thereby prevent the interaction between p53/TP53 and MDM2.
組織特異性	Widely expressed. Highly expressed in fetal liver, testis and thymus.
関連疾患	Defects in VRK1 are the cause of pontocerebellar hypoplasia type 1 (PCH1) [MIM:607596]; also called pontocerebellar hypoplasia with infantile spinal muscular atrophy or pontocerebellar hypoplasia with anterior horn cell disease. PCH1 is characterized by an abnormally small cerebellum and brainstem, central and peripheral motor dysfunction from birth, gliosis and anterior horn cell degeneration resembling infantile spinal muscular atrophy (SMA).
配列類似性	Belongs to the protein kinase superfamily. CK1 Ser/Thr protein kinase family. VRK subfamily. Contains 1 protein kinase domain.
翻訳後修飾	Autophosphorylated at various serine and threonine residues. Autophosphorylation does not impair its ability to phosphorylate p53/TP53.
細胞内局在	Nucleus. Dispersed throughout the cell but not located on mitotic spindle or chromatids during mitosis.

画像



Western blot - VRK1 antibody (ab76864)

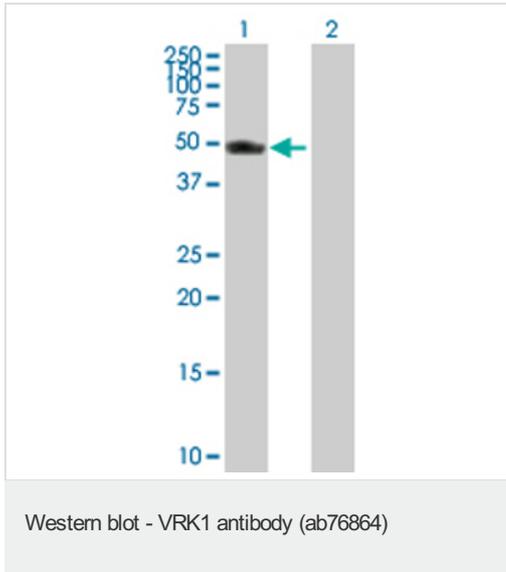
Anti-VRK1 antibody (ab76864) at 1/500 dilution + human pancreas tissue lysate at 25 μ g

Secondary

Goat anti-mouse IgG (H&L)-HRP conjugate at 1/2500 dilution

Predicted band size: 45 kDa

Observed band size: 50 kDa



All lanes : Anti-VRK1 antibody (ab76864) at 1/500 dilution

Lane 1 : VRK1 transfected 293T cell lysate

Lane 2 : Non-transfected 293T cell lysate

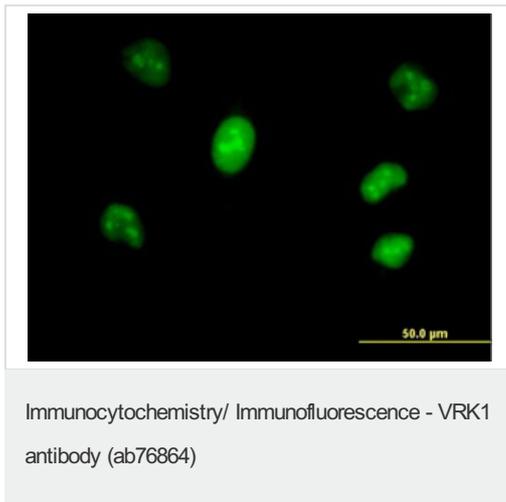
Lysates/proteins at 25 µg per lane.

Secondary

All lanes : Goat anti-mouse IgG (H&L)-HRP conjugate at 1/2500 dilution

Predicted band size: 45 kDa

Observed band size: 50 kDa



ab76864 at 10µg/ml staining VRK1 in Hela cells.

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