

Product datasheet

Anti-Malignant T cell amplified sequence 1 antibody [2F9] ab117968

画像数 1

製品の概要

製品名	Anti-Malignant T cell amplified sequence 1 antibody [2F9]
製品の詳細	Mouse monoclonal [2F9] to Malignant T cell amplified sequence 1
由来種	Mouse
アプリケーション	適用あり: WB
種交差性	交差種: Human
免疫原	Recombinant full length Human Malignant T cell amplified sequence 1 protein (NP_054779), produced in E. coli.
ポジティブ・コントロール	HEK293T cells transfected with pCMV6-ENTRY Malignant T cell amplified sequence 1 cDNA
特記事項	Dilute in PBS (pH 7.3) before use.

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	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 50% Glycerol, 1% BSA, 48% PBS
精製度	Protein A purified
特記事項(精製)	ab117968 is purified from Mouse ascites fluids by affinity chromatography.
ポリモノ	モノクローナル
クローン名	2F9
アイソタイプ	IgG2a

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab117968** in the following tested applications.

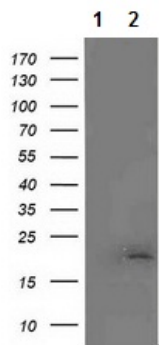
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
WB		1/2000. Predicted molecular weight: 21 kDa.

ターゲット情報

機能	Anti-oncogene that play a role in cell cycle regulation; decreases cell doubling time and anchorage-dependent growth; shortens the duration of G1 transit time and G1/S transition. When constitutively expressed, increases CDK4 and CDK6 kinases activity and CCND1/cyclin D1 protein level, as well as G1 cyclin/CDK complex formation. Plays a role as translation enhancer; Recruits the density-regulated protein/DENR and binds to the cap complex of the 5'-terminus of mRNAs, subsequently altering the mRNA translation profile; Up-regulates protein levels of BCL2L2, TFDP1, MRE11A, CCND1 and E2F1, while mRNA levels remains constant. Hyperactivates DNA damage signaling pathway; increased gamma-irradiation-induced phosphorylation of histone H2AX, and induces damage foci formation. Increases the overall number of chromosomal abnormalities such as larger chromosomes formation and multiples chromosomal fusions when over-expressed in gamma-irradiated cells. May play a role in promoting lymphoid tumor development: lymphoid cell lines over-expressing MCTS1 exhibit increased growth rates and display increased protection against apoptosis. May contribute to the pathogenesis and progression of breast cancer via promotion of angiogenesis through the decline of inhibitory THBS1/thrombospondin-1, and inhibition of apoptosis. Involved in the process of proteasome degradation to down-regulate Tumor suppressor p53/TP53 in breast cancer cell; Positively regulates phosphorylation of MAPK1 and MAPK3.
組織特異性	Ubiquitous. Over-expressed in T-cell lymphoid cell lines and in non-Hodgkin lymphoma cell lines as well as in a subset of primary large B-cell lymphomas.
配列類似性	Belongs to the MCTS1 family. Contains 1 PUA domain.
ドメイン	The PUA RNA-binding domain is critical for cap binding, but not sufficient for translation enhancer function. MCT1 N-terminal region is required to enhance translation possibly trough interaction with other proteins.
翻訳後修飾	Phosphorylation is critical for stabilization and promotion of cell proliferation.
細胞内局在	Cytoplasm. Nuclear relocalization after DNA damage.

画像



Western blot - Anti-Malignant T cell amplified sequence 1 antibody [2F9] (ab117968)

All lanes : Anti-Malignant T cell amplified sequence 1 antibody [2F9] (ab117968) at 1/2000 dilution

Lane 1 : HEK293T cells transfected with pCMV6-ENTRY control

Lane 2 : HEK293T cells transfected with pCMV6-ENTRY Malignant T cell amplified sequence 1 cDNA

Lysates/proteins at 5 µg per lane.

Predicted band size: 21 kDa

HEK293T cell lysates were generated from transient transfection of the cDNA clone (RC200224)

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