


Anti-TRIM27 antibody ab78393

4 References [画像数 3](#)

製品の概要

製品名	Anti-TRIM27 antibody
製品の詳細	Rabbit polyclonal to TRIM27
由来種	Rabbit
アプリケーション	適用あり: WB, ICC/IF, IHC-P
種交差性	交差種: Human 交差が予測される動物種: Mouse, Rat, Cow 
免疫原	Synthetic peptide corresponding to TRIM27 aa 50-150 conjugated to keyhole limpet haemocyanin. (Peptide available as ab90956)
ポジティブ・コントロール	This antibody gave a positive signal in the following whole cell lysates: HeLa (not shown in datasheet); Jurkat; HepG2; HEK293; Raji; SHSY-5Y; Caco 2. This antibody gave a positive result in IHC in the following FFPE tissue: Human colon cancer.
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. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.

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

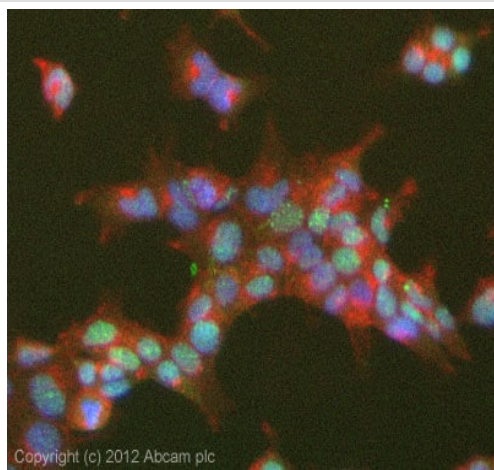
The Abpromise guarantee Abpromise保証は、次のテスト済みアプリケーションにおけるab78393の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 58 kDa (predicted molecular weight: 58 kDa).
ICC/IF		Use a concentration of 1 µg/ml.
IHC-P		Use a concentration of 1 µg/ml.

ターゲット情報

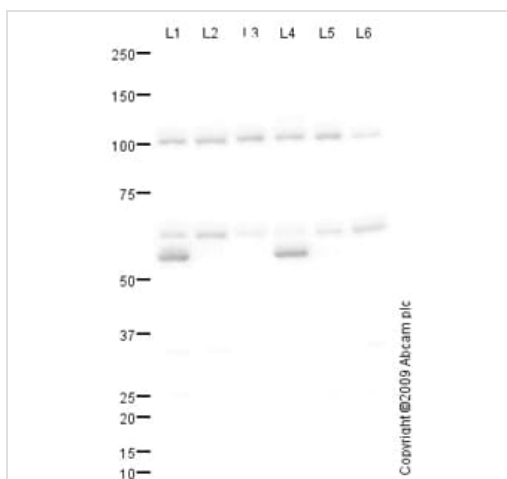
機能	Has a transcriptional repressor activity by cooperating with EPC1. Induces apoptosis by activating Jun N-terminal kinase and p38 kinase and also increases caspase-3-like activity independently of mitochondrial events. May function in male germ cell development. Has DNA-binding activity and preferentially bound to double-stranded DNA (By similarity). E3 ubiquitin-protein ligase that mediates ubiquitination of PIK3C2B and inhibits its activity; mediates the formation of 'Lys-48'-linked polyubiquitin chains; the function inhibits CD4 T-cell activation.
組織特異性	Expressed in testis namely within the seminiferous tubules.
関連疾患	Defects in TRIM27 are a cause of thyroid papillary carcinoma (TPC) [MIM:188550]. TPC is a common tumor of the thyroid that typically arises as an irregular, solid or cystic mass from otherwise normal thyroid tissue. Papillary carcinomas are malignant neoplasm characterized by the formation of numerous, irregular, finger-like projections of fibrous stroma that is covered with a surface layer of neoplastic epithelial cells. Note=A chromosomal aberration involving TRIM27/RFP is found in thyroid papillary carcinomas. Translocation t(6;10)(p21.3;q11.2) with RET. The translocation generates TRIM27/RET and delta TRIM27/RET oncogenes.
配列類似性	Belongs to the TRIM/RBCC family. Contains 1 B box-type zinc finger. Contains 1 B30.2/SPRY domain. Contains 1 RING-type zinc finger.
ドメイン	The coiled-coil region mediates interaction with EPC1 and CHD4. The B box and coiled-coil domains mediate interaction with PML. The B box and the distal coiled-coil domains mediate homomultimerisation. The B30.2 domain mediates interaction with EIF3S6.
細胞内局在	Nucleus. Cytoplasm. Nucleus > PML body. Nuclear or cytoplasmic depending on the cell type (By similarity). Colocalized with PML and EIF3S6 in nuclear bodies.

画像



Immunocytochemistry/ Immunofluorescence - Anti-TRIM27 antibody (ab78393)

ICC/IF image of ab78393 stained HepG2 cells. The cells were 4% PFA fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab78393, 1µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM. This antibody also gave a positive result in 4% PFA fixed (10 min) HeLa and Hek293 cells at 1µg/ml.



Western blot - Anti-TRIM27 antibody (ab78393)

All lanes : Anti-TRIM27 antibody (ab78393) at 1 µg/ml

Lane 1 : Jurkat (Human) Whole Cell Lysate ([ab52254](#))

Lane 2 : HepG2 (Human hepatocellular liver carcinoma cell line) Whole Cell Lysate

Lane 3 : HEK293 (Human embryonic kidney cell line) Whole Cell Lysate

Lane 4 : Raji (Human Burkitt's lymphoma cell line) Whole Cell Lysate

Lane 5 : SHSY-5Y (Human neuroblastoma cell line) Whole Cell Lysate

Lane 6 : Caco 2 (Human colonic carcinoma cell line) Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

Developed using the ECL technique.

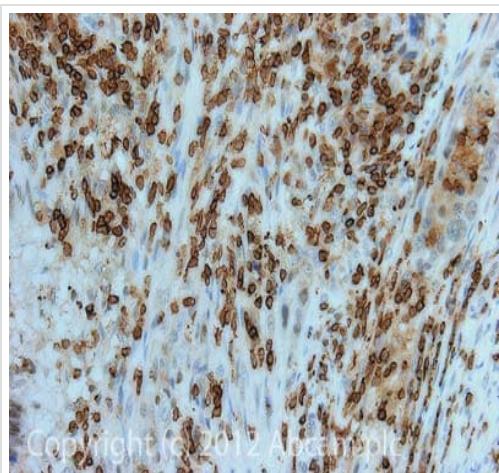
Performed under reducing conditions.

Predicted band size: 58 kDa

Observed band size: 58 kDa

Additional bands at: 55 kDa, 98 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 30 seconds



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TRIM27 antibody (ab78393)

IHC image of TRIM27 staining in Human colon cancer formalin fixed paraffin embedded tissue section, performed on a Leica BondTM system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab78393, 1 µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

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