

Anti-Talin 1 antibody [97H6] - BSA and Azide free ab256125

リコンビナント

画像数 4

製品の概要

製品名	Anti-Talin 1 antibody [97H6] - BSA and Azide free
製品の詳細	Mouse monoclonal [97H6] to Talin 1 - BSA and Azide free
由来種	Mouse
アプリケーション	適用あり: WB, IP, IHC-P
種交差性	交差種: Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: HUVEC, HeLa, HepG2, NIH/3T3, MEF and C6 whole cell lysate. IP: NIH/3T3 whole cell lysate. IHC-P: Mouse spleen tissue.
特記事項	ab256125 is the carrier-free version of ab108480 .

This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact orders@abcam.com.

Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.

This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.

Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information [see here](#).

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C. Do Not Freeze.
バッファー	pH: 7.2 Constituent: PBS
キャリア・フリー	はい
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	97H6
アイソタイプ	IgG1

アプリケーション

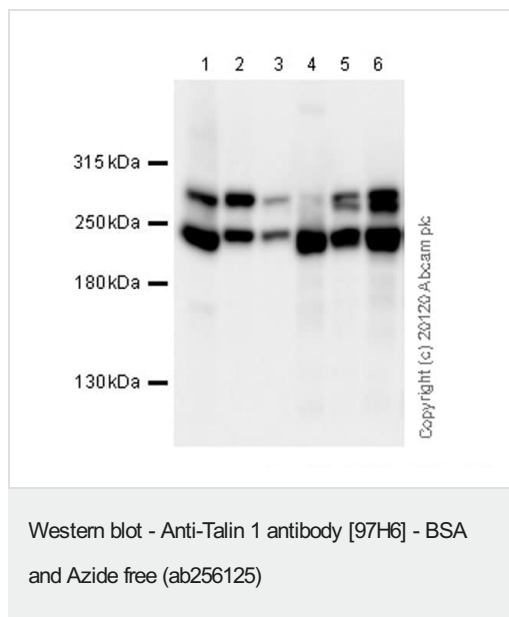
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab256125の使用に適用されます**
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		Use at an assay dependent concentration. Predicted molecular weight: 269 kDa.
IP		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

ターゲット情報

機能	Probably involved in connections of major cytoskeletal structures to the plasma membrane. High molecular weight cytoskeletal protein concentrated at regions of cell-substratum contact and, in lymphocytes, at cell-cell contacts.
配列類似性	Contains 1 FERM domain. Contains 1 ILWEQ domain.
細胞内局在	Cell projection, ruffle membrane. Cytoplasm, cytoskeleton. Cell surface. Cell junction, focal adhesion. Colocalizes with LAYN at the membrane ruffles. Localized preferentially in focal adhesions than fibrillar adhesions (By similarity).

画像



All lanes : Anti-Talin 1 antibody [97H6] ([ab108480](#)) at 0.481 µg/ml

Lane 1 : HUVEC (human umbilical vein endothelial cell), whole cell lysate

Lane 2 : HeLa (human cervix adenocarcinoma epithelial cell), whole cell lysate

Lane 3 : HepG2 (human hepatocellular carcinoma epithelial cell), whole cell lysate

Lane 4 : C6 (rat glial tumor glial cell), whole cell lysate

Lane 5 : NIH/3T3 (mouse embryonic fibroblast), whole cell lysate

Lane 6 : MEF (mouse embryonic fibroblast (immortalized)), whole cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Peroxidase-Conjugated Goat anti-Mouse IgG (H+L) at 1/5000 dilution

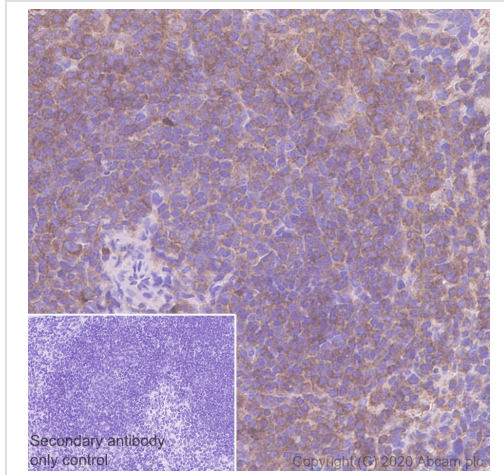
Predicted band size: 269 kDa

Exposure time: 3 seconds

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab108480](#)).

The expression profile/molecular weight observed is consistent with what has been described in the literature (PMID:22306379 and 25751747).

Blocking/Dilution buffer: 5% NFDM/TBST.



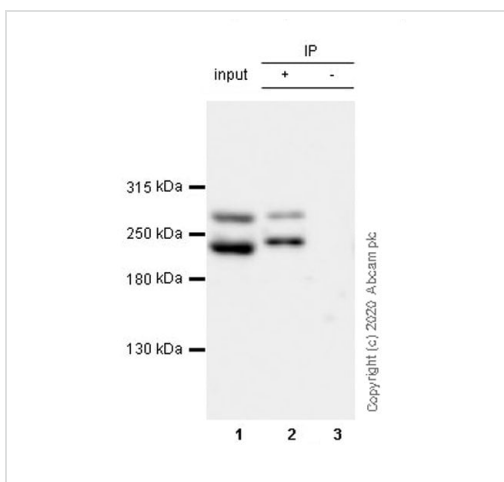
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Talin 1 antibody [97H6] - BSA and Azide free (ab256125)

Immunohistochemical analysis of paraffin-embedded mouse spleen tissue labeling Talin 1 with **ab108480** at 1/5000 dilution (0.241 µg/ml) followed by ready to use Goat Anti-mouse IgG H&L (HRP polymer) (**ab214879**). Cytoplasmic staining on mouse spleen. The section was incubated with **ab108480** for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Goat Anti-mouse IgG H&L (HRP polymer) (**ab214879**).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab108480**).



Immunoprecipitation - Anti-Talin 1 antibody [97H6] - BSA and Azide free (ab256125)

Talin 1 was immunoprecipitated from NIH/3T3 (mouse embryonic fibroblast), whole cell lysate with **ab108480** at 1/30 dilution (2 µg in 0.35mg lysates) (16.033 µg/ml). Western blot was performed on the immunoprecipitate using **ab108480** at 1/1000 dilution (0.481 µg/ml). Mouse IgG for IP (HRP) (**ab131368**) was used at 1/1000 dilution.

Lane 1: NIH/3T3 whole cell lysate 10 µg.

Lane 2: **ab108480** IP in NIH/3T3 whole cell lysate.

Lane 3: Mouse monoclonal IgG1 (**ab18443**) instead of **ab108480** in NIH/3T3 whole cell lysate.

Blocking and dilution buffer and concentration: 5% NFDm/TBST.

Exposure time: 3 seconds.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab108480**).

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-Talin 1 antibody [97H6] - BSA and Azide free
(ab256125)

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