

Anti-Strep-tag II antibody [11A7] - BSA and Azide free ab255890

リコンビナント

画像数 5

製品の概要

製品名	Anti-Strep-tag II antibody [11A7] - BSA and Azide free
製品の詳細	Rat monoclonal [11A7] to Strep-tag II - BSA and Azide free
由来種	Rat
アプリケーション	適用あり: WB, ICC/IF, IP, Indirect ELISA
種交差性	交差種: Species independent
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: Strep-tagged standard marker. ICC/IF: Strep tag-GFP transfected 293T cells. IP: HEK-293T transfected with GFP expression vector containing a strep tag. Indirect ELISA: Strep tag II.
特記事項	<p>ab255890 is the carrier-free version of ab252885.</p> <p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact orders@abcam.com.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p>

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	11A7
アイソタイプ	IgG2b
軽鎖の種類	kappa

アプリケーション

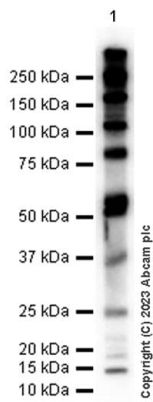
The Abpromise guarantee **Abpromise保証は、** 次のテスト済みアプリケーションにおけるab255890の使用に適用されません
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		Use at an assay dependent concentration. Predicted molecular weight: 19 kDa.
ICC/IF		Use at an assay dependent concentration.
IP		Use at an assay dependent concentration.
Indirect ELISA		Use at an assay dependent concentration.

ターゲット情報

関連性 Streptavidin is a tetrameric protein purified from *Streptomyces avidinii*. It has wide use in numerous molecular biological protocols due to its strong affinity for biotin. The original Strep-tag (AWRHPQFGG) was a nine amino acid peptide with high specificity and affinity towards streptavidin which allows the simple purification of protein by use of affinity columns, but required addition to only the C-terminus of recombinant proteins. To also allow a Strep-tag to be placed at the N-terminus of recombinant proteins, it was re-engineered and re-named Strep-tag II.

画像



Western blot - Anti-Strep-tag II antibody [11A7] - BSA and Azide free (ab255890)

Anti-Strep-tag II antibody [11A7] ([ab252885](#)) at 1/5000 dilution + strep-tagged standard marker at 2 μ l

Secondary

Goat Anti-Rat IgG H&L (HRP) ([ab205720](#)) at 1/10000 dilution

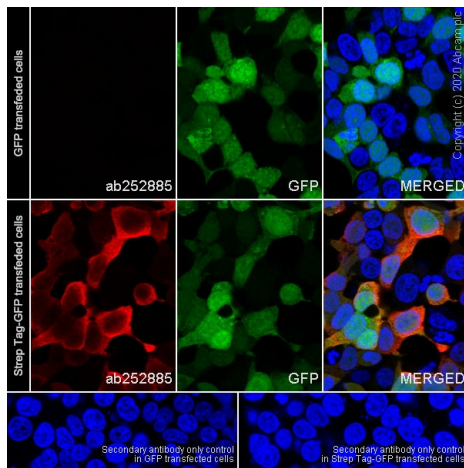
Predicted band size: 19 kDa

Observed band size: 10-250 kDa

Exposure time: 1 second

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab252885](#)).

Blocking and diluting buffer and concentration: 5% NFDM/TBST.

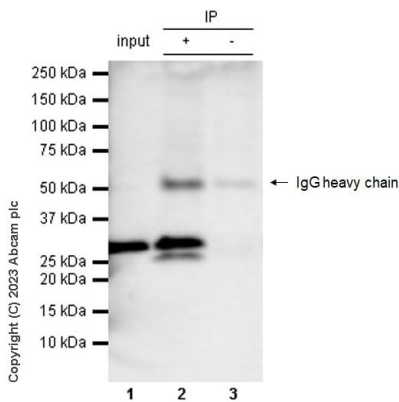


Immunocytochemistry/ Immunofluorescence - Anti-Strep-tag II antibody [11A7] - BSA and Azide free (ab255890)

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab252885](#)).

[ab252885](#) staining Strep-tag II in Strep tag-GFP transfected HEK-293T cells. The cells were fixed with 4% paraformaldehyde and permeabilised in 0.1% Triton X-100. The cells were then incubated with [ab252885](#) at 1/250 dilution, followed by [ab150160](#) Goat Anti-Rat IgG H&L (Alexa Fluor® 594) antibody at 1/1000 dilution. Nucleus were visualized using DAPI.

Confocal image showing nuclear and cytoplasmic staining in HEK-293T cells transfected with GFP-tagged GluN1 zeta-1 expression vector.



Immunoprecipitation - Anti-Strep-tag II antibody [11A7] - BSA and Azide free (ab255890)

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab252885](#)).

Strep Tag II was immunoprecipitated from HEK-293T transfected with GFP expression vector containing a Strep Tag II whole cell lysate with [ab252885](#) at 1/50 dilution. Western blot was performed on the immunoprecipitate using [ab252885](#) at 1/1000 dilution. Goat Anti-rat IgG (H+L), HRP) ([ab205720](#)) was used at 1/10000 dilution.

Lane 1 (Input): HEK-293T transfected with GFP expression vector containing a strep tag whole cell lysate 2 µg

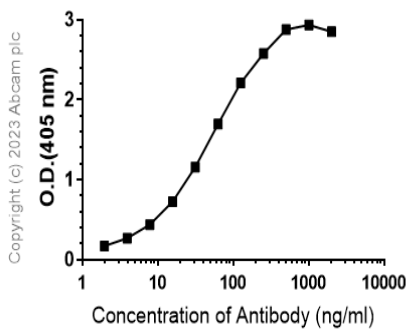
Lane 2 (+): HEK-293T transfected with GFP expression vector containing a strep tag II whole cell lysate

Lane 3 (-): Rat monoclonal IgG2b ([ab18541](#)) instead of [ab252885](#) in HEK-293T transfected with GFP expression vector containing a strep tag II whole cell lysate

Observed MV: 26 kDa

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

Indirect ELISA antibody dose-response curve antigen at 1000 ng/ml



Indirect ELISA - Anti-Strep-tag II antibody [11A7] - BSA and Azide free (ab255890)

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab252885](#)).

Indirect ELISA analysis of Strep tag II at 1000 ng/ml with [ab252885](#) at 2000-0 ng/ml. An Alkaline Phosphatase-conjugated AffiniPure Goat Anti-Rat IgG (H+L) was used as the secondary antibody at 1/1000 dilution.

Why choose a recombinant antibody?



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Success from the first experiment
Confirmed specificity



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