

Product datasheet

Anti-Strep-tag II antibody [GT661] ab184224

6 References 3 Images

Overview

Product name	Anti-Strep-tag II antibody [GT661]
Description	Mouse monoclonal [GT661] to Strep-tag II
Host species	Mouse
Tested applications	Suitable for: WB, IP, ICC/IF
Species reactivity	Reacts with: Species independent
Immunogen	Synthetic peptide corresponding to Strep-tag II. Run BLAST with ExPASy Run BLAST with NCBI
Positive control	Strep-tagged protein expressing 293T cells.
General notes	<p>This product was changed from ascites to tissue culture supernatant on 25th May 2018. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team.</p> <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>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.00 Constituents: 80% PBS, 20% Glycerol (glycerin, glycerine)
Purity	Protein G purified
Clonality	Monoclonal
Clone number	GT661
Isotype	IgG2a

Applications

The Abpromise guarantee

Our [Abpromise guarantee](#) covers the use of ab184224 in the following tested applications.

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

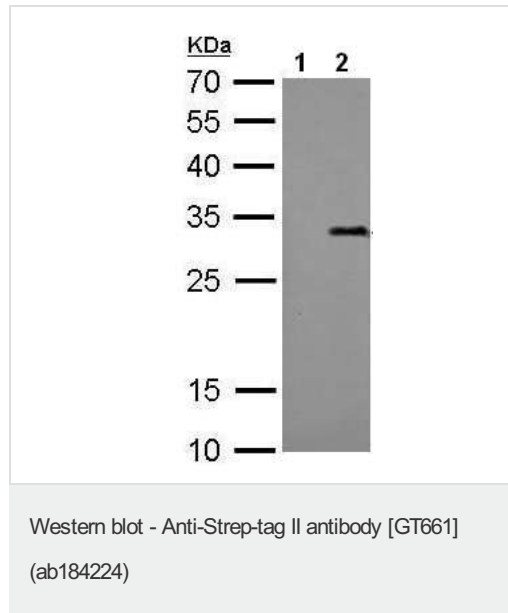
Application	Abreviews	Notes
WB		1/1000 - 1/10000.
IP		1/3000.
ICC/IF		1/100 - 1/1000.

Target

Relevance

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.

Images



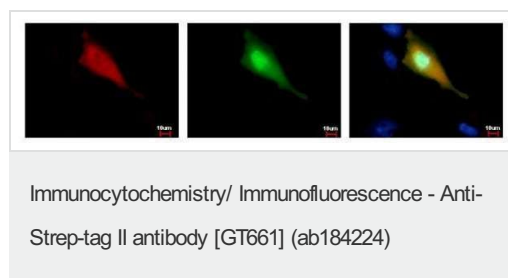
All lanes : Anti-Strep-tag II antibody [GT661] (ab184224) at 1/5000 dilution

Lane 1 : 293T whole cell lysate

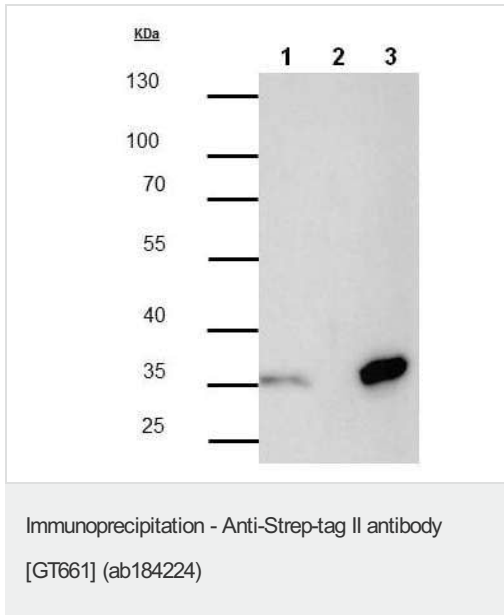
Lane 2 : whole cell lysate of strep-tagged II protein expressing 293T cells

Lysates/proteins at 30 µg per lane.

12 % SDS-PAGE



Immunofluorescent analysis of Strep II/GFP-tag transfected HeLa cells (fixed in 4% paraformaldehyde at RT for 15 min) showing labeling of Strep-recombinant protein by ab184224 used at 1/500 dilution. Red: Strep-recombinant protein stained by Strep-tag antibody (ab184224) diluted at 1:500. Green: GFP is expressed in the transfected cell. Blue: Hoechst 33342 staining.



ab184224 immunoprecipitates strep tagged protein in IP experiments. IP Sample: 293T whole cell lysate/extract.

Lane 1 : 20 µg whole cell lysate/extract of strep II tagged protein expressing 293T cells

Lane 2 : Control with 2.5 µg of pre-immune mouse IgG

Lane 3 : Immunoprecipitation of strep tagged protein by 2.5 µg of strep tag antibody (ab184224).

10% SDS-PAGE -The immunoprecipitated strep tagged protein was detected by strep tag antibody (ab184224) diluted at 1/3000.

Anti-mouse IgG (HRP) antibody was used as a secondary reagent.

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