

Anti-Protein G antibody ab181700

Overview

Product name	Anti-Protein G antibody
Description	Rabbit polyclonal to Protein G
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Streptococcus sp. group G
Immunogen	<p>Full length native protein (purified) corresponding to Protein G aa 34-562. Streptococcus species. Sequence:</p> <p> VDSPIEDTPIIRNGGELTNLLGNSETTLALRNEESATADLTA AAVADTVAA AAAAENAGAAWEAAAAADALAKAKADALKEFNKYGVS DYYKNLINNAKT VEGVKDLQAQVVESAKKARISEATDGLSDFLKSQTPAED TVKSIELAEAK VLANRELDKYGVSDYHKNLINNAKTVEGVKDLQAQVVESA KKARISEATD GLSDFLKSQTPAEDTVKSIELAEAKVLANRELDKYGVSDY YKNLINNAKT VEGVKALIDEILAALPKTDYKLILNGKTLKGETTTEAVDAA TAEKVFKQ YANDNGVDGEWYDDATKTFTVTEKPEVIDASELTPAVTT YKLIVINGKTL KGETTTEAVDAATAEKVFKQYANDNGVDGEWYDDATKT FTVTEKPEVID ASELTPAVTTYKLIVINGKTLKGETTTKAVDAETA EKAFKQY ANDNGVDGV WYDDATKTFTVTEMVTEVPGDAPTEPEKPEASIPVPLT PATPIAKDDA KKDDTKKEDAKKPEAKKEDAKKAETLPTT </p>

Database link: [P19909](#)

 [Run BLAST with](#)

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Positive control

Protein G

General notes

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.

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

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: 6.50 Preservative: 0.01% Sodium azide Constituents: 0.88% Sodium chloride, 0.27% Tripotassium orthophosphate
Purity	IgG fraction
Purification notes	ab181700 is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer it is provided in.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab181700 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
IHC-P		Use at an assay dependent concentration.
WB		1/2000 - 1/10000. Predicted molecular weight: 63 kDa.

Target

Relevance	Protein G is a bacterial protein derived from the cell wall of certain strains of b-hemolytic Streptococci. It binds with high affinity to the Fc portion of various classes and subclasses of immunoglobulins from a variety of species. Protein G binds to all IgG subclasses from human, mouse and rat species. It also binds to total IgG from guinea pig, rabbit, goat, cow, sheep, and horse. Protein G binds preferentially to the Fc portion of IgG, but can also bind to the Fab region, making it useful for purification of F(ab') fragments of IgG. Due to it's affinity for the Fc region of many mammalian immunoglobulins, protein G is considered a universal reagent in biochemistry and immunology.
Cellular localization	Cell Wall and Secreted

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