

Product datasheet

Anti-IgG4 antibody ab232869

6 Images

Overview

Product name	Anti-IgG4 antibody
Description	Rabbit polyclonal to IgG4
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Mouse, Human, Pig
Immunogen	Recombinant fragment corresponding to Human IgG4 aa 200 to the C-terminus. Expressed in E.coli. Database link: P01861

 [Run BLAST with](#)

 [Run BLAST with](#)

Positive control WB: Recombinant human IgG4; human, pig and mouse serum. IHC-P: Human prostate cancer, glioma, kidney and stomach tissue.

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: 7.40 Preservative: 0.011% Proclin 300 Constituents: 55.77% Glycerol (glycerin, glycerine), 44.219% PBS
Purity	Immunogen affinity purified
Purification notes	Antigen-specific affinity chromatography followed by Protein A affinity chromatography.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab232869 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

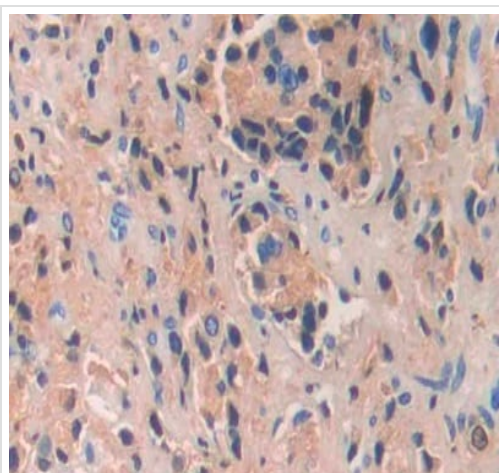
Application	Abreviews	Notes
IHC-P		Use a concentration of 5 - 20 µg/ml.
WB		Use a concentration of 0.5 - 2 µg/ml. Predicted molecular weight: 36 kDa.

Target

Relevance IgG4 antibodies will dominate the IgG response in schistosomiasis, lymphatic filariasis, and in patients after allergen immunotherapy. Unlike the other IgG subclasses, IgG4 does not activate complement. A combined IgA-IgG4 deficiency has been associated with recurrent pyogenic infections.

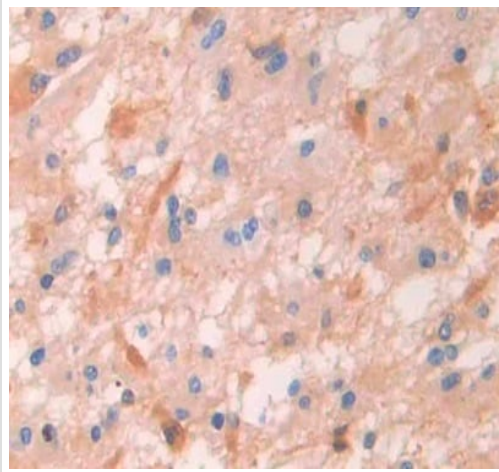
Cellular localization Secreted

Images



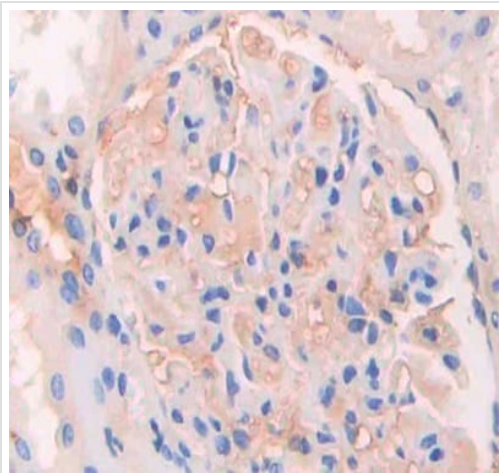
Formalin-fixed, paraffin-embedded human prostate cancer tissue stained for IgG4 using ab232869 at 20µg/ml in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IgG4 antibody (ab232869)



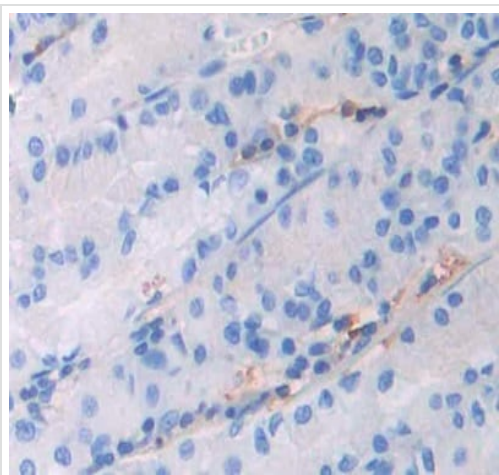
Formalin-fixed, paraffin-embedded human glioma tissue stained for IgG4 using ab232869 at 20µg/ml in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IgG4 antibody (ab232869)



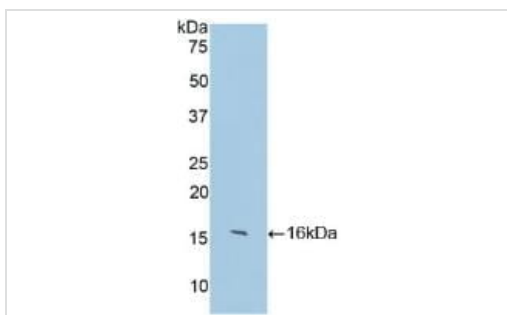
Formalin-fixed, paraffin-embedded human kidney tissue stained for IgG4 using ab232869 at 20µg/ml in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IgG4 antibody (ab232869)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IgG4 antibody (ab232869)

Formalin-fixed, paraffin-embedded human stomach tissue stained for IgG4 using ab232869 at 20µg/ml in immunohistochemical analysis.



Western blot - Anti-IgG4 antibody (ab232869)

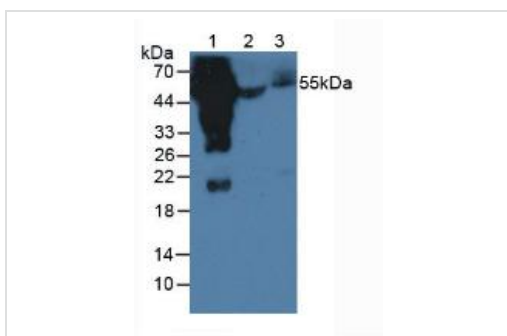
Anti-IgG4 antibody (ab232869) at 3 µg/ml + Recombinant human IgG4

Secondary

HRP-Linked Guinea pig Anti-Rabbit at 1/2000 dilution

Developed using the ECL technique.

Predicted band size: 36 kDa



Western blot - Anti-IgG4 antibody (ab232869)

All lanes : Anti-IgG4 antibody (ab232869) at 3 µg/ml

Lane 1 : Human serum

Lane 2 : Pig serum

Lane 3 : Mouse serum

Secondary

All lanes : HRP-Linked Guinea pig Anti-Rabbit at 1/2000 dilution

Developed using the ECL technique.

Predicted band size: 36 kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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