abcam

Product datasheet

Anti-IgG antibody [IG507R] ab218427

Recombinant

3 References 3 Images

Overview

Product name	Anti-IgG antibody [IG507R]
Description	Rabbit monoclonal [IG507R] to IgG
Host species	Rabbit
Specificity	Recognizes a protein of 75 kDa, identified as gamma heavy chain of human immunoglobulins. It does not cross-react with alpha (IgA), mu (IgM), epsilon (IgE), or delta (IgD), heavy chains, T-cells, monocytes, granulocytes, or erythrocytes.
Tested applications	**Suitable for:** Protein Array, IHC-P
Species reactivity	**Reacts with:** Human
Immunogen	Full length native protein (purified) corresponding to Human IgG. P01859, P01860 and P01861. Database link: **P01857**
Positive control	IHC-P: Human tonsil tissue.

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: 7.2 Preservative: 0.05% Sodium azide Constituents: 99% PBS, 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	IG507R
Isotype	IgG
Light chain type	kappa

Applications

The Abpromise guarantee	Our **Abpromise guarantee** covers the use of ab218427 in the following tested applications.

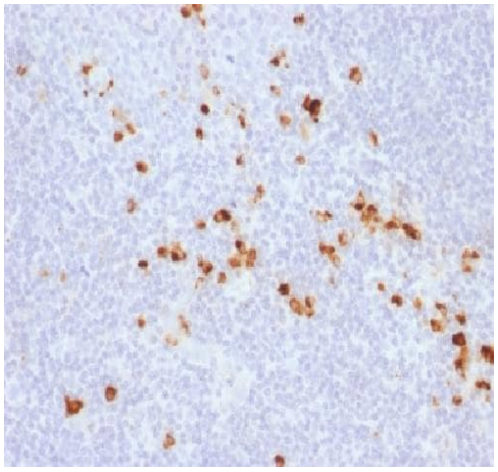
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Protein Array		Use at an assay dependent concentration.
IHC-P		Use a concentration of 1 - 2 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

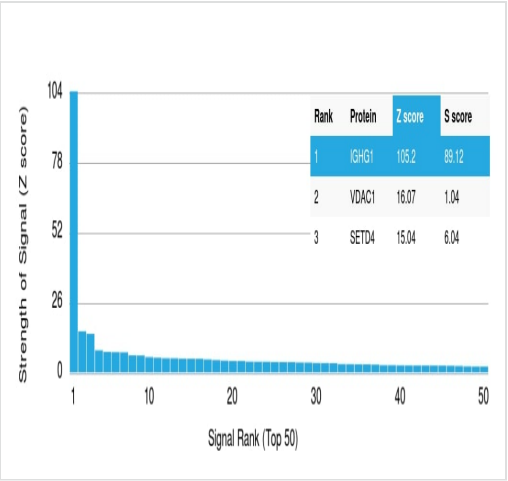
Cellular localization Secreted

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IgG antibody [IG507R] (ab218427)

Immunohistochemical analysis of formalin-fixed, paraffin-embedded human tonsil tissue, labeling IgG with ab218427 at 1 ug/mL.

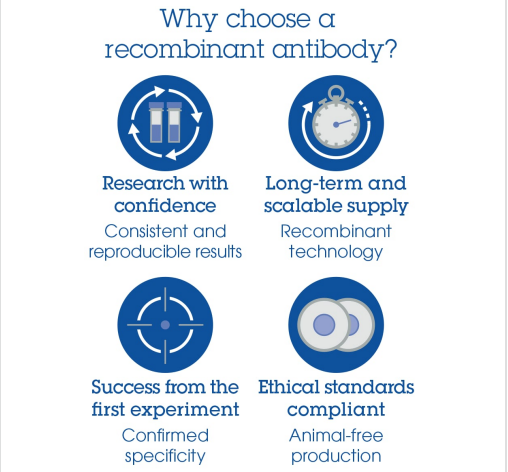


Protein Array - Anti-IgG antibody [IG507R] (ab218427)

ab218427 was tested in protein array against over 19000 different full-length human proteins.

Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target.

A MAb is specific to its intended target if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



Anti-IgG antibody [IG507R] (ab218427)

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