

Rabbit Human IgG Monoclonal Antibody | anti-IGHG1 antibody

Anti - Human IgG

CATALOG # AAA79014	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
------------------------------	-----------------------	----------------------------	---

PRODUCT SYNONYMS

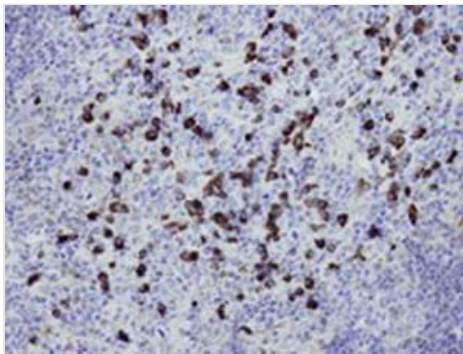
Human IgG; Monoclonal Antibody; Anti - Human IgG; anti-IGHG1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Clone Number	I17-T
Sequence Length	330
Applicable Applications for anti-IGHG1 antibody	IHC (Immunohistochemistry)
Immunogen	Peptide derived from the domain close to the C-terminus of human IgG-1 chain C region. Antibody recognizes the epitope between Ala261 - Lys275
Storage Buffer	20 mM Tris-HCl, pH 8.0
Stabilizer	20 mg/ml BSA
Preservative	0.05% NaN3
Cellular Location	Secreted
Postive Control	Human tonsil tissue

IHC-P Protocol	1. Deparaffinize the section in 3 changes of xylene, 10 minutes each. 2. Wash the section in 96%, 80% and 70% ethyl alcohol for 10 minutes each. 3. Rinse in distilled water, 2 x 5 minutes. 4. Block the endogenous peroxidase by incubating the tissue in 3% hydrogen peroxide (H₂O₂) for 10 minutes. 5. Wash in distilled water, 2 x 5 minutes. 6. For antigen retrieval: Immerse the slide in Tris-EDTA buffer, pH 9.0 and incubate at 95-97°C in water bath for 25 minutes. 7. Remove the staining to room temperature and let the slide to cool (in Tris-EDTA buffer, pH 9.0) for 15 minutes. 8. Rinse in distilled water, 2 x 5 minutes. . 9. Wash in PBS (phosphate buffer saline, pH 7.0-7.5) supplemented with 0.05% of Tween-20 (buffer A), 2 x 5 minutes. 10. CONCENTRATED: Incubate the section with primary antibody at the dilution 1:100 - 1:300 for 1 hour in the closed wet chamber. - READY TO USE (RTU): Incubate the section with primary antibody (ready to use) for 1 hour in a closed wet chamber. 11. Wash 3 x 5 minutes with buffer A. 12. Apply the secondary antibody (the protocol depends on the supplier), and proceed to standard immunohistochemistry protocol (HRP - Peroxide - DAB). Micropolymer-HRP detection kit rabbit/mouse dual is suggested. (Please inquire) 13. Wash 3 x 5 minutes with buffer A. 14. Apply the chromogen (DAB), 1 - 3 minutes. 15. Wash in water, 2 x 5 minutes. 16. Stain in hematoxylin for 5 minutes. 17. Wash in distilled water, 3 x 2 minutes. 18. Mount the slide for observation. * Tris-EDTA Buffer (10mM Tris Base, 1mM EDTA solution, 0.05% Tween-20, pH 9.0): Tris ----- 1.21 g; EDTA ----- 0.37 g; Distilled water ----- 1000 ml . Mix to dissolve in 700 ml of distilled water. Adjust pH to 9.0 with 1M HCl and then add. 0.5 ml of Tween-20 and mix well. Adjust the final volume to 1 liter with distilled water. Store this solution at room temperature for 3 months or at +4°C for longer storage.
Preparation and Storage	Store at +4°C.

IMAGES



IHC (Immunohistochemistry)

IgG positive plasma cells in the case of IgG4-related chronic sclerosing sialoadenitis, detected with anti-IgG antibody. Formalin fixed, paraffin embedded human tissue (4 um section).

NCBI AND UNIPROT INFORMATION

NCBI GI #	121039
NCBI GeneID	3500
UniProt Accession #	P01857 ; P01859 ; P01860 ; P01861
Molecular Weight	36,106 Da
NCBI Official Full Name	Ig gamma-1 chain C region

NCBI Official Synonym Full Names	immunoglobulin heavy constant gamma 1 (G1m marker)
NCBI Official Symbol	IGHG1
UniProt Protein Name	Ig gamma-1 chain C region
UniProt Gene Name	IGHG1
UniProt Entry Name	IGHG1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/human-igg-antibody-clone-i17-t-immunohistochemistry-elisa/79014>