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IgG
Rabbit Polyclonal antibody(Pab)
Catalog # AD80082

Specification

IgG - Product info

Application	**IHC-P**
Primary Accession	P01857
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**43912**

IgG - Additional info

Gene Name	**IGHG1 {ECO:0000303|PubMed:11340299, ECO:0000303|Ref.11}**

Other Names
Immunoglobulin heavy constant gamma 1 {ECO:0000303|PubMed:11340299, ECO:0000303|Ref.13}, Ig gamma-1 chain C region, Ig gamma-1 chain C region EU, Ig gamma-1 chain C region KOL, Ig gamma-1 chain C region NIE, IGHG1 {ECO:0000303|PubMed:11340299, ECO:0000303|Ref.13}

Dilution
IHC-P~~Ready-to-use

Storage
Maintain refrigerated at 2-8°C

Precautions	**IgG Antibody is for research use only and not for use in diagnostic or therapeutic procedures.**

IgG - Protein Information

Name IGHG1 {ECO:0000303|PubMed:11340299, ECO:0000303|Ref.13}

Function	**Constant region of immunoglobulin heavy chains. Immunoglobulins, also known as antibodies, are membrane-bound or secreted glycoproteins produced by B lymphocytes. In the recognition phase of humoral immunity, the membrane-bound immunoglobulins serve as receptors which, upon binding of a specific antigen, trigger the clonal expansion and differentiation of B lymphocytes into immunoglobulins-secreting plasma cells. Secreted immunoglobulins mediate the**

Cellular Location	**effector phase of humoral immunity, which results in the elimination of bound antigens (PubMed:22158414, PubMed:20176268). The antigen binding site is formed by the variable domain of one heavy chain, together with that of its associated light chain. Thus, each immunoglobulin has two antigen binding sites with remarkable affinity for a particular antigen. The variable domains are assembled by a process called V-(D)-J rearrangement and can then be subjected to somatic hypermutations which, after exposure to antigen and selection, allow affinity maturation for a particular antigen (PubMed:17576170, PubMed:20176268). Secreted. Cell membrane**

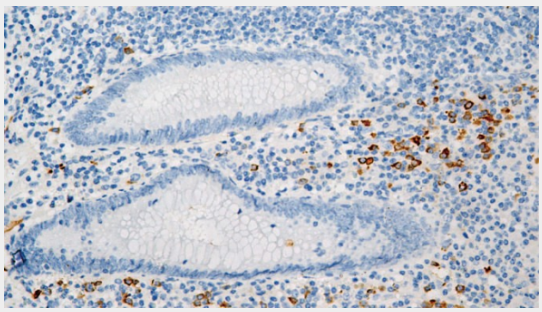
IgG - Protocols

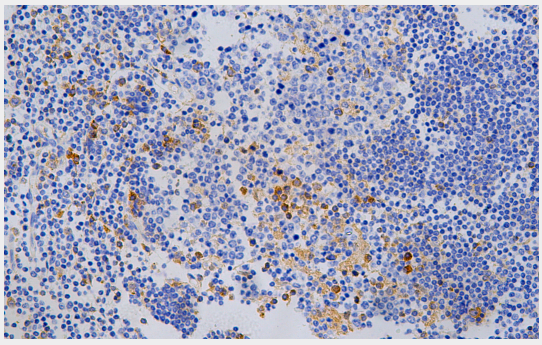
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

IgG - Images

Appendix





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Immunohistochemical analysis of paraffin-embedded human tonsil tissue using AD80082 performed on the Abcarta® FAIP-30 Fully automated IHC platform.Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a Citrate buffer (pH6. 0).Samples were incubated with primary antibody(Ready-to-use) for 15 min at room temperature. AmpSeeTM Detection Systems□Abcepta:AR005□ was used as the secondary antibody.