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# IgA

Mouse Monoclonal antibody(Mab)
Catalog # AD80081

## Product Information

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| **Application** | IHC-P |
| **Primary Accession** | P01876 |
| **Reactivity** | Human |
| **Host** | Mouse |
| **Clonality** | Monoclonal |
| **Clone Names** | 432F8H3 |
| **Calculated MW** | 42849 |

## Additional Information

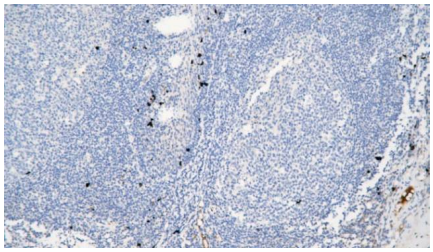
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|---|---|
| **Gene Name** | IGHA1 {ECO:0000303\|PubMed:11340299, ECO:0000303\|Ref.11} |
| **Other Names** | Immunoglobulin heavy constant alpha 1 {ECO:0000303\|PubMed:11340299, ECO:0000303\|Ref.13}, Ig alpha-1 chain C region, Ig alpha-1 chain C region BUR, Ig alpha-1 chain C region TRO, IGHA1 {ECO:0000303\|PubMed:11340299, ECO:0000303\|Ref.13} |
| **Dilution** | IHC-P~~Ready-to-use |
| **Storage** | Maintain refrigerated at 2-8°C. |
| **Precautions** | IgA Antibody is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| **Name** | IGHA1 {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 effector phase of humoral immunity, which results in the elimination of bound antigens (PubMed:20176268, PubMed:22158414). 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). |

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| | Ig alpha is the major immunoglobulin class in body secretions (PubMed:2241915). |
| **Cellular Location** | [Isoform 1]: Secreted |

## Images



Immunohistochemical analysis of formalin-fixed and paraffin-embedded human tonsil tissue was performed with IgA primary antibody, followed by peroxidase-conjugated secondary antibody and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.