

# IgG1 Polyclonal Antibody

Catalog # AP70476

## Product Information

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Application	WB, IHC-P
Primary Accession	<a href="#">P01857</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	43912

## Additional Information

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Other Names	IGHG1; Ig gamma-1 chain C region
Dilution	WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications. IHC-P~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20°C

## Protein Information

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Name	IGHG1 {ECO:0000303   PubMed:11340299, ECO:0000303   Ref.13}
Function	<p>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:<a href="#">20176268</a>, PubMed:<a href="#">22158414</a>). 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:<a href="#">17576170</a>, PubMed:<a href="#">20176268</a>). Mediates IgG effector functions on monocytes triggering ADCC of virus-infected cells.</p>
Cellular Location	[Isoform 1]: Secreted

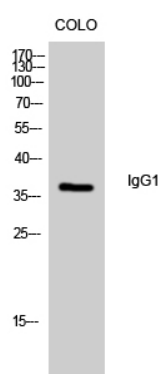
## Background

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## Images

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Western Blot analysis of colo cells using IgG1 Polyclonal Antibody diluted at 1 : 500

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