

## IgG1 polyclonal antibody

Catalog: BS3451

Host: Rabbit

Reactivity: Human

### BackGround:

IgG is a monomeric immunoglobulin, built of two heavy chains gamma and two light chains. Each molecule has two antigen binding sites. This is the most abundant immunoglobulin and is approximately equally distributed in blood and in tissue liquids, constituting 75% of serum immunoglobulins in humans. This is the only isotype that can pass through the human placenta, thereby providing protection to the fetus in its first weeks of life before its own immune system has developed. It can bind to many kinds of pathogens, for example viruses, bacteria, and fungi, and protects the body against them by complement activation (classic pathway), opsonization for phagocytosis and neutralisation of their toxins. There are 4 sub-classes: IgG1 (66%), IgG2 (23%), IgG3 (7%) and IgG4 (4%).

### Product:

1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 41 kDa

### Swiss-Prot:

P01857

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB, 1:500 - 1:1000 | IHC, 1:100 - 1:200

### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

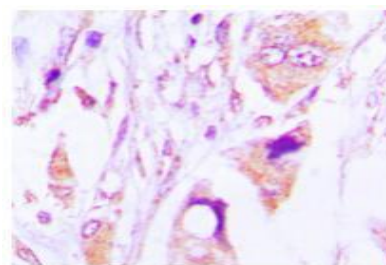
### Specificity:

IgG1 polyclonal antibody detects endogenous levels of IgG1 protein.

### DATA:



Western blot analysis of IgG1 expression in IgG recombinant protein (A).



Immunohistochemical analysis of IgG1 staining in human lung cancer formalin fixed paraffin embedded tissue section.

### Note:

For research use only, not for use in diagnostic procedure.

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