

# Human IgG1/Immunoglobulin heavy constant gamma 1 Polyclonal Antibody CAB24654



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## Product Information

<b>Product SKU:</b> CAB24654	<b>Gene ID:</b> 3500	<b>Size:</b> 20uL, 100uL
<b>Clone No:</b> -	<b>Host Species:</b> Rabbit	<b>Reactivity:</b> Human, Mouse

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## Additional Information

<b>Observed MW:</b> 55kDa/35kDa	<b>Conjugate:</b> Unconjugated
<b>Calculated MW:</b> 44kDa	<b>Isotype:</b> IgG

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## Immunogen Information

**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 subclasses: IgG1 (66%), IgG2 (23%), IgG3 (7%) and IgG4 (4%).

**Recommended Dilution:** WB, 1:500 - 1:1000

**Synonyms:** -

**Purification Method:** Affinity purification

**Immunogen:** Recombinant fusion protein containing a sequence corresponding to amino acids 21-130 of human IgG1/Immunoglobulin heavy constant gamma 1(P01857).

**Storage:** Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.

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