

# Human IgG4/Immunoglobulin heavy constant gamma 4 Rabbit pAb

**Catalog No.: A24655**

## Basic Information

### Observed MW

36kDa

### Calculated MW

44kDa

### Category

Primary antibody

### Applications

WB,ELISA

### Cross-Reactivity

Human

## Background

Immunoglobulin G (IgG), is one of the most abundant protein in human serum with normal levels between 8-17 mg/ml in adult blood. IgG is important for our defence against microorganisms and the molecules are produced by B-lymphocytes as a part of our adaptive immune response. The IgG molecule has two separate functions; to bind to the pathogen that elicited the response and to recruit other cells and molecules to destroy the antigen. The variability of the IgG pool is generated by somatic recombination and the number of specificities in an individual at a given time point is estimated to be 1011 variants.

## Recommended Dilutions

**WB** 1:500 - 1:1000

**ELISA** Recommended starting concentration is 1  $\mu$ g/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

**Swiss Prot**  
P01861

### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

### Synonyms

IGHG4; Ig gamma-4 chain C region; Human IgG4/Immunoglobulin heavy constant gamma 4

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

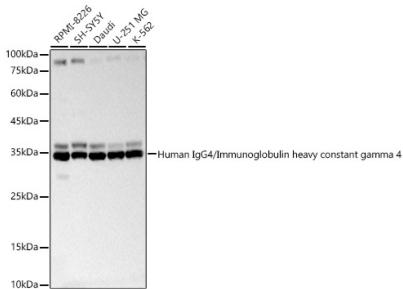
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## Validation Data

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Western blot analysis of various lysates, using Human IgG4/Immunoglobulin heavy constant gamma 4 Rabbit pAb (A24655) at 1:1000 dilution.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25 $\mu$ g per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 30s.