Datasheet for ABIN6939716

# Recombinant anti-IGHG antibody

## 2 Images

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## Overview

| | |
|---|---|
| Quantity: | 100 µg |
| Target: | IGHG |
| Reactivity: | Human |
| Host: | Rabbit |
| Antibody Type: | Recombinant Antibody |
| Clonality: | Monoclonal |
| Conjugate: | This IGHG antibody is un-conjugated |
| Application: | Immunohistochemistry (IHC), Staining Methods (StM) |

## Product Details

| | |
|---|---|
| Immunogen: | Recombinant full-length human IGHG protein |
| Clone: | IG1707R |
| Isotype: | IgG |
| Specificity: | Recognizes a protein of 75 kDa, identified as gamma heavy chain of human immunoglobulins. It does not cross-react with alpha (IgA), mu (IgM), epsilon (IgE), or delta (IgD), heavy chains, T-cells, monocytes, granulocytes, or erythrocytes. This antibody is useful in the identification of leukemias, plasmacytomas, and certain non-Hodgkin's lymphomas. The most common feature of these malignancies is the restricted expression of a single heavy chain class. Demonstration of clonality in lymphoid infiltrates indicates that the infiltrate is clonal and therefore malignant. |

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## Target Details

| | |
|---|---|
| Target: | IGHG |
| Alternative Name: | IGHG (IGHG Products) |
| Molecular Weight: | 75kDa |
| Gene ID: | 3500, 3501, 3502 |
| UniProt: | P01857, P01859, P01860, P01861 |

## Application Details

| | |
|---|---|
| Application Notes: | Positive Control: 293T, Raji or hPBL cells. Tonsil or Spleen.<br>Known Application: Immunohistochemistry (Formalin-fixed) (0.5-1 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined. |
| Restrictions: | For Research Use only |

## Handling

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|---|---|
| Concentration: | 200 µg/mL |
| Buffer: | 10 mM PBS with 0.05 % BSA & 0.05 % azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C,-80 °C |
| Storage Comment: | Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required. |
| Expiry Date: | 24 months |

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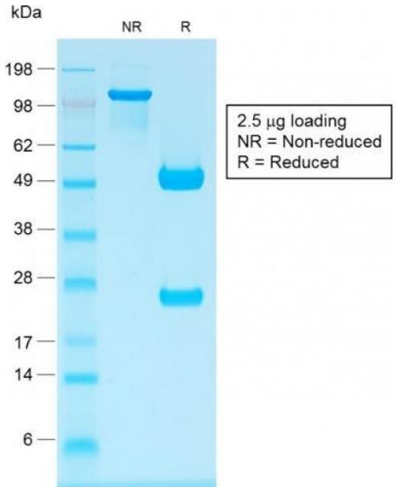
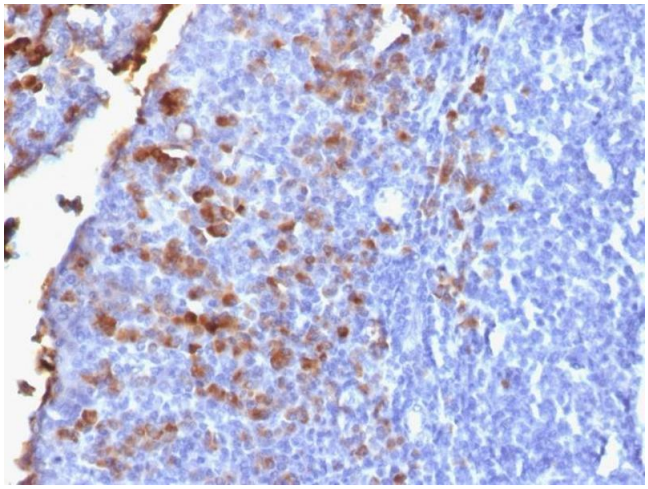



## SDS-PAGE

**Image 1.** SDS-PAGE Analysis Purified IgG Rabbit Recombinant Monoclonal Antibody (IG1707R). Confirmation of Purity and Integrity of Antibody.



## Immunohistochemistry

**Image 2.** Formalin-fixed, paraffin-embedded human Tonsil stained with IgG Rabbit Recombinant Monoclonal Antibody (IG1707R).

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