

## Product datasheet

# Rabbit IgG, polyclonal - Isotype Control ab37415

69 References 2 Images

### Overview

|                            |   |
|----------------------------|---|
| <b>Product name</b>        | Rabbit IgG, polyclonal - Isotype Control  |
| <b>Specificity</b>         | This antibody has been selected to be an isotype control as it has no known specificity. Please note that the rabbit IgG Fc region may bind nonspecifically to human tissue. Rabbit IgG is an isotype control used to estimate the non-specific binding of target primary antibodies due to Fc binding or other protein-protein interactions. |
| <b>Tested applications</b> | <b>Suitable for:</b> IHC-P, ICC/IF, ELISA, Flow Cyt, ChIP/Chip  |
| <b>General notes</b>       |   |

### Properties

|                             |  |
|-----------------------------|--|
| <b>Form</b>                 | Liquid   |
| <b>Storage instructions</b> | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. |
| <b>Storage buffer</b>       | pH: 8.20<br>Constituents: 0.6% Boric Acid, 0.95% Sodium borate, 0.4% Sodium chloride   |
| <b>Purity</b>               | Affinity purified  |
| <b>Purification notes</b>   | Protein A-purified   |
| <b>Clonality</b>            | Polyclonal   |
| <b>Isotype</b>              | IgG  |

### Applications

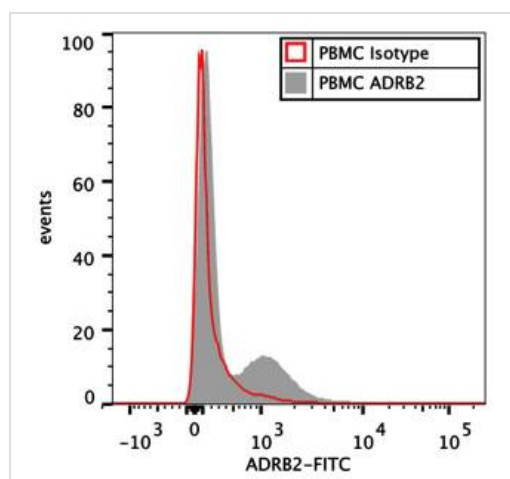
Our [Abpromise guarantee](#) covers the use of **ab37415** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes   |
|-------------|-----------|---|
| IHC-P       |           | Use at an assay dependent concentration. PubMed: 24961933 |
| ICC/IF      |           | Use at an assay dependent concentration. PubMed: 23995768 |
| ELISA       |           | Use at an assay dependent concentration.                  |

| Application | Abreviews | Notes   |
|-------------|-----------|---|
| Flow Cyt    |           | Use 1µg for 10 <sup>6</sup> cells.                        |
| ChIP/Chip   |           | Use at an assay dependent concentration. PubMed: 20673990 |

## Images

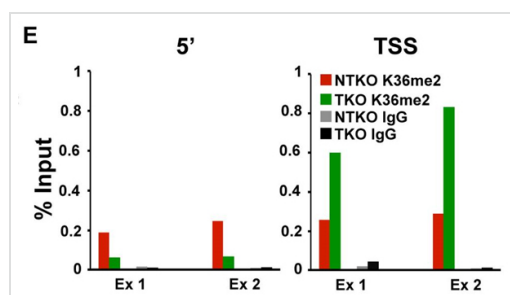


Flow Cytometry - Rabbit IgG, polyclonal - Isotype Control (ab37415)

Image from Hilbert T et al., PLoS One. 2013;8(5):e65024. Fig 3(A).; doi: 10.1371/journal.pone.0065024.

Histogram showing the fluorescence signal for ADRB2-FITC in PBMCs compared to an Isotype control.

PBMCs were generated from freshly-drawn blood from healthy human donors. After staining with antibodies against ADRB2 ([ab36956](#)) or an isotype control ([ab37415](#)), cells were incubated with FITC-labeled secondary anti-rabbit-IgG antibody, and ADRB2 expression was assessed by flow cytometry.



ChIP - Rabbit IgG, polyclonal - Isotype Control (ab37415)

Image from Popovic R et al., PLoS Genet. 2014;10(9):e1004566. Fig 1(E).; doi: 10.1371/journal.pgen.1004566.

ChIP-qPCR for H3K36me2 on the *BTF3* locus in NTKO and TKO cells. Methylation enrichment was tested 5 kb upstream of the TSS (5') and at the TSS (right). [ab37415](#) was used as the isotype control.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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