

## Product Datasheet

# Isotype Control (G9) rabbit mAb Antibody (orb1946241)

<b>Catalog Number</b>	orb1946241
<b>Category</b>	Antibodies
<b>Description</b>	<p>This product is useful as an isotope control for rabbit IgG, especially in comparison to Abwiz recombinant rabbit antibodies. In all assays tested, we have not observed any significant non-specific binding from this antibody. This includes flow cytometry, Western blot, ELISA, and biolayer interferometry (Octet). We obtained this antibody from a mouse immunized with keyhole limpet hemocyanin (KLH). This antibody binds to specifically to KLH, an antigen not expressed on human cells, mouse cells, or other species. In contrast to isotype antibodies supplied by other vendors, which have unknown or unreported specificity, we let you know the target of this antibody so that you can determine if it is suitable as a control for your specific assay.</p>
<b>Clonality</b>	Monoclonal
<b>Species/Host</b>	Rabbit
<b>Isotype</b>	Rabbit IgG1k
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Other
<b>Form/Appearance</b>	Liquid
<b>Concentration</b>	0.5 mg/mL
<b>Buffer/Preservatives</b>	1X PBS, 0.02% NaN <sub>3</sub> , 50% Glycerol, 0.1% rAlbumin
<b>Purification</b>	Protein A+G

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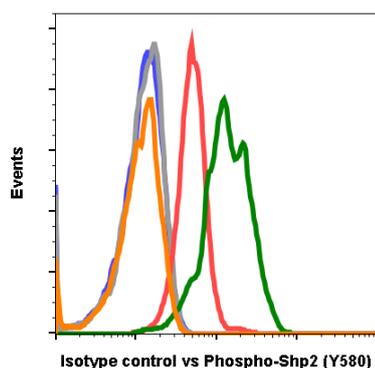
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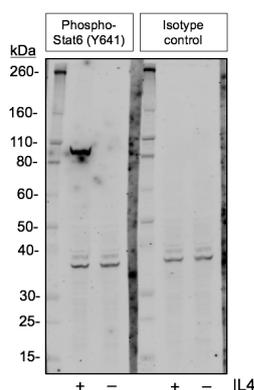
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<b>Immunogen</b>	Keyhole limpet hemocyanin carrier protein.
<b>Tested applications</b>	ELISA, FC, WB
<b>Dilution range</b>	Isotype control antibodies should be used at the same concentration as the test antibody.
<b>Cross Reactivity</b>	None Known
<b>Clone Number</b>	KLH-G9
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Note</b>	For research use only



KLH-G9 does not show non-specific binding to mouse cells. Flow cytometric analysis of NIH3T3 cells secondary antibody only (blue) or treated with imatinib (grey) or with pervanadate (orange) using isotype control antibody KLH-G9 Cat. #orb1946241 compared to imatinib (red) or pervanadate (green) using Phospho-Shp2 (Y580) antibody Shp2Y580-4A2 Cat. #orb1946268 both tested at 0.1 µg/mL.



KLH-G9 does not show non-specific binding in Western blot applications. Western blot analysis of Daudi cells untreated or treated with 200 ng/mL IL-4 using isotype control antibody KLH-G9 Cat. #orb1946241 or using Phospho-Stat6 (Y641) antibody Stat6Y641-G12 Cat. #orb1946356 both tested at 0.01 µg/mL.

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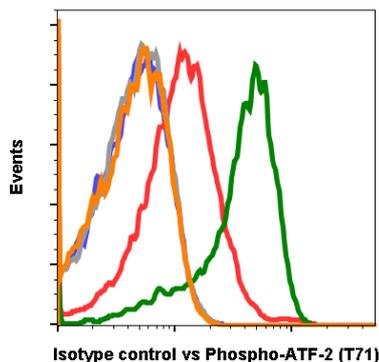
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KLH-G9 does not show non-specific binding to human cells. Flow cytometric analysis of Jurkat cells secondary antibody only (blue) or untreated (grey) or treated with anisomycin (orange) using isotype control antibody KLH-G9 Cat. #orb1946241 compared to untreated (red) or treated with anisomycin (green) using Phospho-ATF-2 (T71) antibody ATF2T71-G3 Cat. #orb1946307 both tested at 0.1  $\mu\text{g}/\text{mL}$ .

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