

Brilliant Violet 421™ Rat IgG2a, κ Isotype Ctrl Antibody

Catalog# / Size	400535 / 125 µL 400549 / 50 µg 400536 / 500 µL
Clone	RTK2758
Regulatory Status	RUO
Isotype	Rat IgG2a, κ
Description	The RTK2758 immunoglobulin reacts with KLH. The isotype of this antibody is rat IgG2a, κ. This antibody was chosen as an isotype control after screening on a variety of resting, activated, live, and fixed mouse, rat and human tissues.

Product Details

Antibody Type	Monoclonal
Host Species	Rat
Immunogen	Trinitrophenol + KLH
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA).
Preparation	The immunoglobulin was purified by affinity chromatography and conjugated with Brilliant Violet 421™ under optimal conditions.
Concentration	µg sizes: 0.2 mg/mL µL sizes: lot-specific (to obtain lot-specific concentration, please enter the lot number in our Concentration and Expiration Lookup or Certificate of Analysis online tools.)
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Application	FC - Quality tested ICFC - Verified
Recommended Usage	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis as negative control. Use at concentrations comparable to those of the specific antibody of interest. Brilliant Violet 421™ excites at 405 nm and emits at 421 nm. The standard bandpass filter 450/50 nm is recommended for detection. Brilliant Violet 421™ is a trademark of Sirigen Group Ltd. Learn more about Brilliant Violet™. This product is subject to proprietary rights of Sirigen Inc. and is made and sold under license from Sirigen Inc. The purchase of this product conveys to the buyer a non-transferable right to use the purchased product for research purposes only. This product may not be resold or incorporated in any manner into another product for resale. Any use for therapeutics or diagnostics is strictly prohibited. This product is covered by U.S. Patent(s), pending patent applications and foreign equivalents.
Excitation Laser	Violet Laser (405 nm)
Application Notes	Additional reported applications (for the relevant formats) include: Intracellular Flow Cytometry (ICFC), Immunocytochemistry (ICC), Immunohistochemistry (IHC), Immunoprecipitation (IP), Western Blotting (WB), and Functional Assay (FA).
Application References	1. Nishimoto H, <i>et al.</i> 2005. <i>Blood</i> 106:4241. 2. Seach N, <i>et al.</i> 2008. <i>J. Immunol.</i> 180:5384. PubMed 3. Jiang P, <i>et al.</i> 1999. <i>J. Biol. Chem.</i> 274:559. (FA)
(PubMed link indicates BioLegend citation)	
Product Citations	1. Gordon-Alonso M, <i>et al.</i> 2017. <i>Nat. Commun.</i> 10.1038/s41467-017-00925-6. PubMed

2. Choi H *et al.* 2019. Cell Rep. 27(3):806-819 . [PubMed](#)
3. Lu Y, *et al.* 2020. Cell. 180(6):1081-1097. [PubMed](#)
4. Fulham MA, *et al.* 2019. Am J Physiol Cell Physiol. 317:C687. [PubMed](#)
5. Li B, Schmidt N 2016. PLoS One. 11: 0162427. [PubMed](#)
6. Tan C, *et al.* 2020. Front Cell Dev Biol. 8:579157. [PubMed](#)
7. Hasegawa T, *et al.* 2020. Sci Rep. 10:13480. [PubMed](#)
8. Dubrot J, *et al.* 2021. Immunity. 54(3):571-585.e6. [PubMed](#)

RRID AB_10933427 (BioLegend Cat. No. 400535)

Antigen Details

Gene ID NA

Other Formats

APC Rat IgG2a, κ Isotype Ctrl, Biotin Rat IgG2a, κ Isotype Ctrl, FITC Rat IgG2a, κ Isotype Ctrl, PE Rat IgG2a, κ Isotype Ctrl, PE/Cyanine5 Rat IgG2a, κ Isotype Ctrl, Purified Rat IgG2a, κ Isotype Ctrl, PE/Cyanine7 Rat IgG2a, κ Isotype Ctrl, APC/Cyanine7 Rat IgG2a, κ Isotype Ctrl, Alexa Fluor® 488 Rat IgG2a, κ Isotype Ctrl, Alexa Fluor® 647 Rat IgG2a, κ Isotype Ctrl, Pacific Blue™ Rat IgG2a, κ Isotype Ctrl, Alexa Fluor® 700 Rat IgG2a, κ Isotype Ctrl, PerCP Rat IgG2a, κ Isotype Ctrl, PerCP/Cyanine5.5 Rat IgG2a, κ Isotype Ctrl, Brilliant Violet 421™ Rat IgG2a, κ Isotype Ctrl, Brilliant Violet 570™ Rat IgG2a, κ Isotype Ctrl, Brilliant Violet 605™ Rat IgG2a, κ Isotype Ctrl, Brilliant Violet 650™ Rat IgG2a, κ Isotype Ctrl, Ultra-LEAF™ Purified Rat IgG2a, κ Isotype Ctrl, Brilliant Violet 785™ Rat IgG2a, κ Isotype Ctrl, Brilliant Violet 510™ Rat IgG2a, κ Isotype Ctrl, Brilliant Violet 711™ Rat IgG2a, κ Isotype Ctrl, PE/Dazzle™ 594 Rat IgG2a, κ Isotype Ctrl, Alexa Fluor® 594 Rat IgG2a, κ Isotype Ctrl, GolnVivo™ Purified Rat IgG2a, κ Isotype Ctrl, APC/Fire™ 750 Rat IgG2a, κ Isotype Ctrl, Go-ChIP-Grade™ Purified Rat IgG2a, κ Isotype Ctrl, TotalSeq™-A0238 Rat IgG2a, κ Isotype Ctrl, KIRAVIA Blue 520™ Rat IgG2a, κ Isotype Ctrl, Spark Blue™ 550 Rat IgG2a, κ Isotype Ctrl, TotalSeq™-C0238 Rat IgG2a, κ Isotype Ctrl, APC/Fire™ 810 Rat IgG2a, κ Isotype Ctrl, TotalSeq™-B0238 Rat IgG2a, κ Isotype Ctrl, Spark Violet™ 538 Rat IgG2a, κ Isotype Ctrl, Spark YG™ 581 Rat IgG2a, κ Isotype Ctrl, Spark YG™ 593 Rat IgG2a, κ Isotype Ctrl, Spark Violet™ 423 Rat IgG2a, κ Isotype Ctrl

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