# Product Datasheet

## S1P2/EDG-5/S1PR2 Antibody - BSA Free
## NBP2-26691

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**Reviews: 1 Publications: 8**

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
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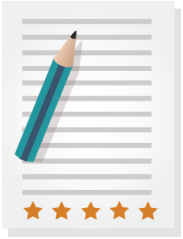
Updated 2/23/2025 v.20.1





# NBP2-26691

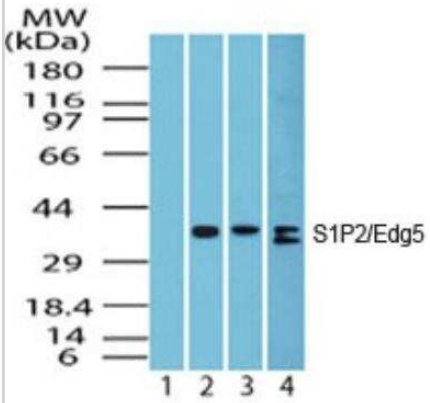
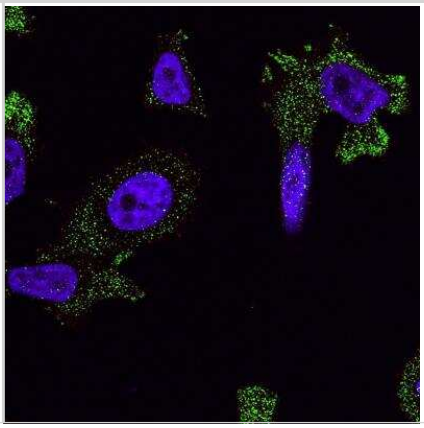
S1P2/EDG-5/S1PR2 Antibody - BSA Free

| Product Information | |
|---|---|
| **Unit Size** | 0.1 mg |
| **Concentration** | 1.0 mg/ml |
| **Storage** | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| **Clonality** | Polyclonal |
| **Preservative** | 0.05% Sodium Azide |
| **Isotype** | IgG |
| **Purity** | Protein G purified |
| **Buffer** | PBS |

| Product Description | |
|---|---|
| **Host** | Rabbit |
| **Gene ID** | 9294 |
| **Gene Symbol** | S1PR2 |
| **Species** | Human, Mouse, Rat, Primate |
| **Immunogen** | A synthetic peptide corresponding to amino acids 325-343 of human S1P2/Edg5 was used as immunogen, GenBank no. NP_004221.3. |

| Product Application Details | |
|---|---|
| **Applications** | Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin |
| **Recommended Dilutions** | Western Blot 1-2 ug/ml, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin reported in scientific literature (PMID 25621765) |

## Images

| | |
|---|---|
| Western Blot: S1P2/EDG-5/S1PR2 Antibody [NBP2-26691] - Analysis of S1P2/Edg5 in heart lysate; Lane 1 shows pre-immune sera; Lanes 2, 3 and 4 show this antibody tested on human heart (1 ug/ml), mouse heart (1 ug/ml) and rat heart (2 ug/ml) lysate, respectively. |  |
| Immunocytochemistry/Immunofluorescence: S1P2/EDG-5/S1PR2 Antibody [NBP2-26691] - Human PC3 prostate cancer cell line. Primary antibody NBP2-26691 at 1:200, secondary antibody Alexa488, Hoechst 33342 used for nuclear staining. Image from verified customer review. |  |

## Publications

Janneh AH, Kassir MF, Atilgan FC et al. Crosstalk between pro-survival sphingolipid metabolism and complement signaling induces inflammasome-mediated tumor metastasis Cell Reports 2022-12-06 [PMID: 36476873]

Jiang H, Huang T, Yu Y et al. Characterization of a S1PR2 specific 11C-labeled radiotracer in streptozotocin-induced diabetic murine model Nuclear Medicine and Biology 2023-07-01 [PMID: 37556928] (IHC-Fr, Mouse)

Xue J, Lin J, Liu Z et al. Alleviating early demyelination in ischaemia/reperfusion by inhibiting sphingosine-1-phosphate receptor 2 could protect visual function from impairment Brain pathology (Zurich, Switzerland) 2023-05-04 [PMID: 37142391] (IHC, WB, Mouse)

Xiao P, Gu J, Xu W et al. RTN4/Nogo-A-S1PR2 negatively regulates angiogenesis and secondary neural repair through enhancing vascular autophagy in the thalamus after cerebral cortical infarction Autophagy 2022-03-09 [PMID: 35263212] (IF/IHC, Rat)

Pan G, Liao M, Dai Y et al. Inhibition of Sphingosine-1-Phosphate Receptor 2 Prevents Thoracic Aortic Dissection and Rupture Frontiers in Cardiovascular Medicine 2021-12-17 [PMID: 34977175] (ICC/IF, IF/IHC, WB, Human)

Tran HB, Maiolo S, Harper R Et al. Dysregulated zinc and sphingosine-1-phosphate signaling in pulmonary hypertension: Potential effects by targeting of bone morphogenetic protein receptor type 2 in pulmonary microvessels Cell biology international 2021-08-04 [PMID: 34347342] (ICC/IF, Rat)

Gu Y, Shea J, Slattum G et al. Defective apical extrusion signaling contributes to aggressive tumor hallmarks Elife. 2015-02-11 [PMID: 25621765] (IHC-P, Human)

Details:
S1P2/EDG-5/S1PR2 antibody used for IHC-P staining of formalin-fixed, paraffin-embedded tissue sections of Human Pancreatic Ductal Adenocarcinomas /PDACs - heat induced antigen retrieval with 10 mM sodium citrate for 20 minutes, blocking with 5% BSA/0.5% Tween-20 in PBS for 4 hours, primary incubated for ON at 4C, detection with Alexa-568 anti-rabbit secondary antibody (Figure 9A).

Kempf A, Tews B, Arzt ME et al. The sphingolipid receptor S1PR2 is a receptor for Nogo-a repressing synaptic plasticity. PLoS Biol. 2014-01-01 [PMID: 24453941] (WB, Mouse)

**Novus Biologicals USA**
10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

**Bio-Techne Canada**
21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

**Bio-Techne Ltd**
19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

**General Contact Information**
www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

## Products Related to NBP2-26691

| | |
|---|---|
| HAF008 | Goat anti-Rabbit IgG Secondary Antibody [HRP] |
| NB7160 | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891 | Rabbit IgG Isotype Control |
| NBP2-26691PEP | S1P2/EDG-5/S1PR2 Antibody Blocking Peptide |

**Limitations**
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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