

Product Datasheet

Fluorescein Antibody - BSA Free NB600-493

Unit Size: 0.2 mg

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

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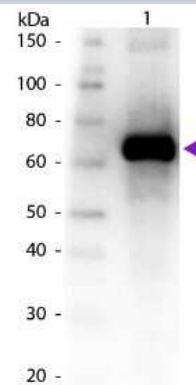


NB600-493**Fluorescein Antibody - BSA Free**

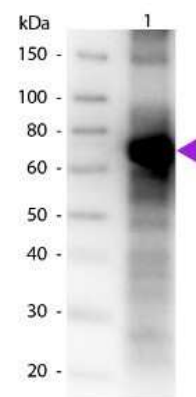
| Product Information | |
|------------------------------------|--|
| Unit Size | 0.2 mg |
| Concentration | Please see the vial label for concentration. If unlisted please contact technical services. |
| Storage | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| Clonality | Polyclonal |
| Preservative | 0.01% Sodium Azide |
| Isotype | IgG |
| Purity | Immunogen affinity purified |
| Buffer | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 |
| Product Description | |
| Description | <p>Fluorescein Antibody was prepared from monospecific antiserum by immunoaffinity chromatography using Fluorescein conjugated Goat IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Goat Serum and Fluorescein conjugated Bovine Serum Albumin.</p> <p>Store vial at 4C prior to opening. Aliquot contents and freeze at -20C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4C as an undiluted liquid. Dilute only prior to immediate use.</p> |
| Host | Goat |
| Species | Non-species specific |
| Immunogen | Fluorescein conjugated to Goat IgG |
| Product Application Details | |
| Applications | Western Blot, ELISA, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunohistochemistry Free-Floating, Immunohistochemistry Whole-Mount |
| Recommended Dilutions | Western Blot 1:500-1:3000, Flow Cytometry, ELISA 1:5000-1:25000, Immunohistochemistry 1:250-1:1500, Immunohistochemistry-Paraffin 1:10 - 1:500, Immunohistochemistry-Frozen, Immunohistochemistry Free-Floating, Immunohistochemistry Whole-Mount |
| Application Notes | <p>This product has been tested by ELISA and western blot and is suitable for immunomicroscopy, in situ hybridization and flow cytometry or FACS analysis as well as other antibody based fluorescent assays requiring lot-to-lot consistency.</p> <p>Use in IHC-FrFI reported in scientific literature (PMID:35411060)</p> <p>Use in Immunohistochemistry-Whole mount reported in scientific literature (PMID: 30228102).</p> |

Images

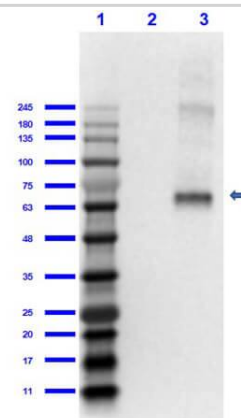
Western Blot: Fluorescein Antibody [NB600-493] - Lane 1: BSA conjugated Fluorescein. Lane 2: None. Load: 50 ng per lane. Primary antibody: Fluorescein primary antibody at 1:1,000 overnight at 4C. Secondary antibody: Peroxidase goat secondary antibody at 1:40,000 for 30 min at RT. Blocking: incubated with blocking buffer for 30 min at RT. Predicted/Observed size: 67 kDa, 67 kDa for Fluorescein. Other band(s): None.



Western Blot: Fluorescein Antibody [NB600-493] - Analysis using the Biotin conjugate of NB600-493. Detection of Lane 1: BSA conjugated Fluorescein. Lane 2: None. Load: 50 ng per lane. Used at a dilution of 1:1000 for 60 min at RT.



Western Blot of Fluorescein Antibody. Lane 1: Opal Prestained Molecular Weight Marker



Publications

Kyle J Tomek, Kevin Volkel, Alexander Simpson, Austin G Hass, Elaine W Indermaur, James M Tuck, Albert J Keung Driving the Scalability of DNA-Based Information Storage Systems. ACS synthetic biology 2020-06-15 [PMID: 31117362]

Deryckere A, Styfhals R, Elagoz AM et al. Identification of neural progenitor cells and their progeny reveals long distance migration in the developing octopus brain eLife 2021-08-24 [PMID: 34425939]

Magrinelli E, Baumann N, Wagener RJ et al. Heterogeneous fates of simultaneously-born neurons in the cortical ventricular zone Scientific reports 2022-04-11 [PMID: 35411060] (IHC-FrFI)

Hutchins EJ, Bronner ME. Draxin alters laminin organization during basement membrane remodeling to control cranial neural crest EMT Dev Biol 2018-12-24 [PMID: 30579765] (IF/IHC)

Piacentino M. L. , Bronner M. E. Intracellular attenuation of BMP signaling via CKIP-1/Smurf1 is essential during neural crest induction. PLoS Biol 2018-06-01 [PMID: 29949573] (IF/IHC, IF/IHC)

Uribe RA, Buzzi AL, Bronner ME et al. Histone demethylase KDM4B regulates otic vesicle invagination via epigenetic control of Dlx3 expression J Cell Biol 2015-11-25 [PMID: 26598618] (IF/IHC)

Magrinelli E, Wagener R, Jabaudon D. Simultaneous production of diverse neuronal subtypes during early corticogenesis. bioRxiv 2018-07-16 (IF/IHC, Mouse)

Vieceli FM, Bronner ME. Leukocyte Receptor Tyrosine Kinase interacts with secreted midkine to promote survival of migrating neural crest cells. Development 2018-09-18 [PMID: 30228102] (IHC-WhMt)

Shah S, Ulm J, Sifri ZC et al. Mobilization of bone marrow cells to the site of injury is necessary for wound healing J Trauma (IHC-Fr)

Details:

This publication used the Texas Red conjugated form of this antibody (Cat# NB110-3648).

Shah S, Ulm J, Sifri ZC et al. Mobilization of bone marrow cells to the site of injury is necessary for wound healing J Trauma 2009-08-01 [PMID: 19667884] (IHC-Fr)

Details:

This citation used the Texas Red version of this antibody.





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Products Related to NB600-493

| | |
|-----------------|--|
| HAF017 | Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)] |
| HAF109 | Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)] |
| NB410-28088-1mg | Goat IgG Isotype Control |

Limitations

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