

Product datasheet

Anti-nNav1.5 antibody [4G8:1G7] ab62388

★★★★★ [3 Abreviews](#) [4 References](#) [2 Images](#)

Overview

Product name	Anti-nNav1.5 antibody [4G8:1G7]
Description	Mouse monoclonal [4G8:1G7] to nNav1.5
Host species	Mouse
Specificity	The immunogen used was 14 amino acids long and only 6 are specific for the neonatal variant therefore it is possible it may also bind the adult splice variant.
Tested applications	Suitable for: ICC/IF, Flow Cyt
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide corresponding to Human nNav1.5.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	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.
Storage buffer	Preservative: 0.02% Sodium azide Constituent: 99.98% PBS
Purity	Immunogen affinity purified
Clonality	Monoclonal
Clone number	4G8:1G7
Isotype	IgM

Applications

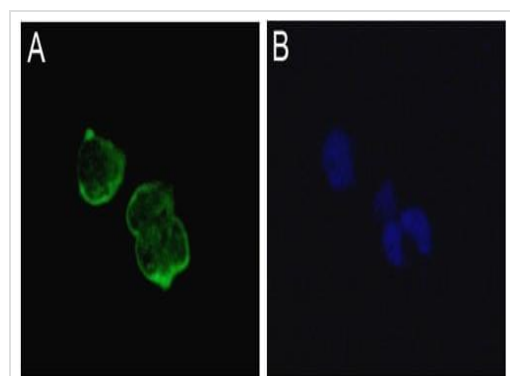
The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab62388 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
ICC/IF	★★★★★ (1)	Use at an assay dependent concentration.
Flow Cyt		Use 1-2µg for 10 ⁶ cells. ab91545 - Mouse monoclonal IgM, is suitable for use as an isotype control with this antibody.

Images

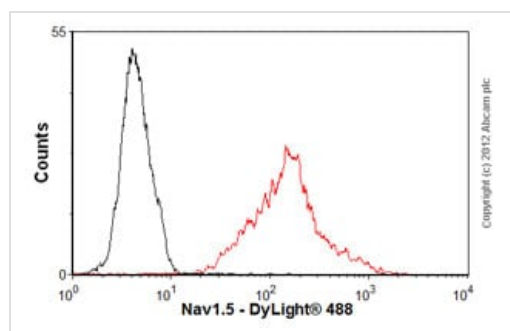


Immunocytochemistry/ Immunofluorescence - Anti-nNav1.5 antibody [4G8:1G7] (ab62388)

Ab62388 (10ug/ml) staining human Nav1.5 in Nav1.5-HEK293 recombinant cell line by immunocytochemistry.

A: Plasma membrane localisation of Nav1.5 identified by ab62388 detected by anti-mouse Alexa Fluor-488 conjugated antibody.

B: DAPI co-staining of cell nuclei.



Flow Cytometry - Anti-nNav1.5 antibody [4G8:1G7] (ab62388)

Overlay histogram showing SHSY-5Y cells stained with ab62388 (red line). The cells were fixed with 80% methanol (5 min) and incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab62388, 1µg/1x10⁶ cells) for 30 min at 22°C. The secondary antibody used was DyLight[®] 488 goat anti-mouse IgG (H+L) (**ab96879**) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgM [ICIGM] (**ab91545**, 2µg/1x10⁶ cells) used under the same conditions.

Acquisition of >5,000 events was performed. This antibody gave a positive result in 4% paraformaldehyde (10 min) fixed SHSY-5Y cells used under the same conditions.

Please note that Abcam do not have any data for use of this antibody on non-fixed cells. We welcome any customer feedback.

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

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