


Product datasheet

Anti-Connexin 45 / GJA7 antibody [5B9.2] ab78408

[1 Abreviews](#) [2 Images](#)

Overview

Product name	Anti-Connexin 45 / GJA7 antibody [5B9.2]
Description	Mouse monoclonal [5B9.2] to Connexin 45 / GJA7
Tested applications	Suitable for: Flow Cyt, WB, ICC
Species reactivity	Reacts with: Rat, Rabbit, Human Predicted to work with: Mouse, Cow, Dog, Pig, Chinese hamster 
Immunogen	Synthetic peptide: QAYSHQNNPHGPRE conjugated to KLH, corresponding to amino acids 354-367 of Human Connexin 45/ GJA7 Run BLAST with Run BLAST with
Epitope	Near C terminal, cytoplasmic.
Positive control	Connexin 45 / GJA7 transfected rat C6 cells.

Properties

Form	Liquid
Storage instructions	Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.1% Sodium Azide Constituents: 0.25M Sodium chloride, 0.02M PBS, pH 7.6
Purity	Protein A purified
Clonality	Monoclonal
Clone number	5B9.2
Isotype	IgG1

Applications

Our [Abpromise guarantee](#) covers the use of **ab78408** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

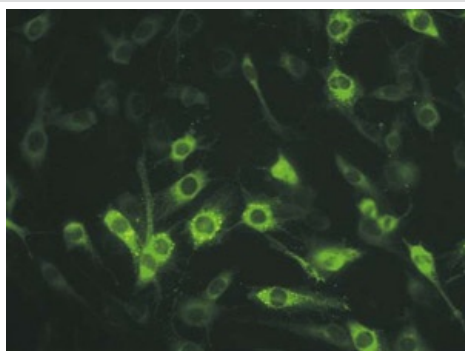
Application	Abreviews	Notes
Flow Cyt		Use 1-2µg for 10 ⁶ cells. ab170190 -Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

WB	Use at an assay dependent concentration. Detects a band of approximately 45 kDa (predicted molecular weight: 45 kDa).
ICC	Use at an assay dependent concentration.

Target

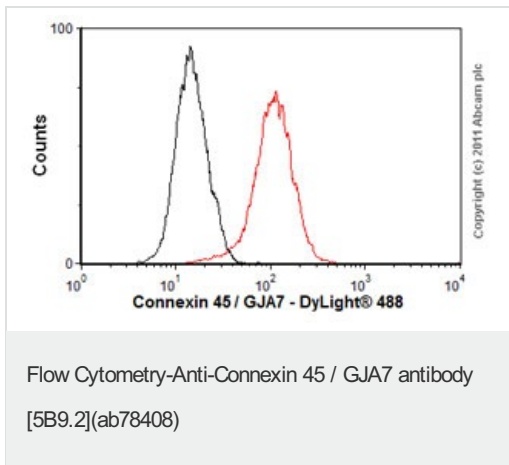
Function	One gap junction consists of a cluster of closely packed pairs of transmembrane channels, the connexons, through which materials of low MW diffuse from one cell to a neighboring cell.
Sequence similarities	Belongs to the connexin family. Gamma-type subfamily.
Cellular localization	Cell membrane. Cell junction > gap junction.

Anti-Connexin 45 / GJA7 antibody [5B9.2] images



ab78408 staining Connexin 45 / GJA7 transfected rat C6 cells by Immunocytochemistry.

Immunocytochemistry - Connexin 45 / GJA7 antibody [5B9.2] (ab78408)



Overlay histogram showing HeLa cells stained with ab78408 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab78408, 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 IgG1 [ICIGG1] (ab91353, 2µg/1x10⁶ cells) used under the same conditions. Acquisition of >5,000 events was performed. This antibody gave a positive result in HeLa cells fixed with 4% paraformaldehyde (10 min)/permeabilized in 0.1% PBS-Tween for 20 min used under the same conditions.

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