

## Product Datasheet

## Anti-CNGA1 and CNGA3 Antibody FL594 Conjugate



## Overview

<b>Catalog #</b>	75-107-FL594
<b>Conjugate</b>	FL594 Ex: 594 nm, Em: 615 nm
<b>Isotype</b>	IgG1
<b>Clone Number</b>	L36/12
<b>Size</b>	200 $\mu$ L
<b>Concentration</b>	0.5 mg/mL
<b>Host Species</b>	Mouse Monoclonal
<b>Format</b>	Purified by Protein A chromatography
<b>Buffer</b>	PBS with 0.09% azide
<b>Applications</b>	ICC, IHC
<b>Species Reactivity</b>	Mouse and Rat
<b>Immunogen</b>	Fusion protein amino acids 535-637 (cytoplasmic C-terminus) of goldfish CNG (accession number AAO16601) produced recombinantly in E. Coli
<b>Molecular Weight</b>	80 kDa (size will vary depending on species and isoform)
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-107-FL594, RRID: AB_2939402

## Details

<b>Target Description</b>	This antibody recognizes both Cyclic Nucleotide Gated Channel Subunit Alpha 1 and Cyclic Nucleotide Gated Channel Subunit Alpha 3, which are both members of the cyclic nucleotide-gated cation channel family. These ion channels function in response to the binding of cyclic nucleotides. CNG channels are nonselective cation channels that are found in the membranes of various tissue and cell types, and are significant in sensory transduction as well as cellular development.
<b>Specificity</b>	No cross-reactivity reported
<b>Purification Method</b>	Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography and conjugation of purified mAb. Purified mAbs are >90% specific antibody.
<b>Quality Control Tests</b>	Each new lot of antibody is quality control tested on cells overexpressing target protein and confirmed to give the expected staining pattern.
<b>Storage</b>	Aliquot and store at $\leq -20^{\circ}\text{C}$ for long term storage. For short term storage, store at $2-8^{\circ}\text{C}$ . For maximum recovery of product, centrifuge the vial prior to removing the cap.

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