

## Product Datasheet

## Anti-Neuropeptide Y Antibody FL594 Conjugate



## Overview

<b>Catalog #</b>	75-456-FL594
<b>Conjugate</b>	FL594 Ex: 594 nm, Em: 615 nm
<b>Isotype</b>	IgG2a
<b>Clone Number</b>	L115/13
<b>Size</b>	200 µL
<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>	Human, Mouse, and Rat
<b>Immunogen</b>	Fusion protein amino acids 28-97 (all but signal peptide) of human NPY (accession number P01303) produced recombinantly in E. Coli
<b>Molecular Weight</b>	11 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-456-FL594, RRID: AB_2940518

## Details

<b>Target Description</b>	Neuropeptide Y is encoded by the gene NPY. NPY is a member of the NPY family. NPY is a neuropeptide that influences many physiological processes including cortical excitability, stress response, food intake, circadian rhythms, and cardiovascular function. NPY functions through G protein-coupled receptors to inhibit adenylyl cyclase, activate mitogen-activated protein kinase (MAPK), regulate intracellular calcium levels, and activate potassium channels. NPY is widely expressed in the central nervous system. Diseases associated with NPY include Eating Disorder and Adjustment Disorder.
<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 by IHC on either rat or mouse brain and confirmed to give the expected staining pattern.

**Storage**

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.

**Our Guarantee**

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