

Product Datasheet

Anti-Neuropeptide Y Antibody FL490 Conjugate



Overview

Catalog #	75-456-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG2a
Clone Number	L115/13
Size	200 µL
Concentration	0.5 mg/mL
Host Species	Mouse Monoclonal
Format	Purified by Protein A chromatography
Buffer	PBS with 0.09% azide
Applications	ICC, IHC
Species Reactivity	Human, Mouse, and Rat
Immunogen	Fusion protein amino acids 28-97 (all but signal peptide) of human NPY (accession number P01303) produced recombinantly in E. Coli
Molecular Weight	11 kDa
Cite this Antibody	Antibodies Inc Cat# 75-456-FL490, RRID: AB_2940516

Details

Target Description	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.
Specificity	No cross-reactivity reported
Purification Method	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.
Quality Control Tests	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.

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