

Product Datasheet

Anti-AGPS Neo-Epitope Antibody FL490 Conjugate



Overview

Catalog #	75-434-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG1
Clone Number	N444/63
Size	200 μ L
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	Synthetic peptide amino acids 59-67 (KARRAASAA, site of proteolytic processing for peroxisome import) of human AGPS (accession number O00116)
Molecular Weight	66 kDa processed (vs. 72 kDa unprocessed)
Cite this Antibody	Antibodies Inc Cat# 75-434-FL490, RRID: AB_2940444

Details

Target Description	Alkyldihydroxyacetonephosphate synthase, peroxisomal or AGPS neo-epitope is encoded by the gene AGPS. AGPS is a member of the FAD-binding oxidoreductase/transferase type 4 family and is an enzyme involved in ether lipid biosynthesis. Diseases associated with this gene include forms of Rhizomelic Chondrodysplasia Punctata.
Specificity	Does not cross-react with unprocessed AGPS
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 western blot on rat whole brain lysate and confirmed to stain the expected molecular weight band.
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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