

## Product Datasheet

## Anti-Celf4/Brunol4 Antibody FL490 Conjugate



## Overview

<b>Catalog #</b>	75-438-FL490
<b>Conjugate</b>	FL490 Ex: 491 nm, Em: 515 nm
<b>Isotype</b>	IgG2a
<b>Clone Number</b>	N446/80
<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>	Human, Mouse, and Rat
<b>Immunogen</b>	Fusion protein amino acids 2-87 (N-terminus) of human Celf4 (accession number Q9BZC1) produced recombinantly in E. Coli
<b>Molecular Weight</b>	50 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-438-FL490, RRID: AB_2940460

## Details

<b>Target Description</b>	CUGBP Elav-like family member 4 (CELF4), or Brunol4 is encoded by the gene CELF4. CELF4 is a RNA-binding protein which is involved in the regulation of pre-mRNA alternative splicing and may also be involved in mRNA editing, and translation. CELF4 is expressed ubiquitously in tissues, and strongly expressed in brain. Diseases associated with CELF4 include Speech and Communication Disorders and Specific Language Impairment.
<b>Specificity</b>	Does not cross-react with Celf6
<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.
<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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