

## Product Datasheet

## Anti-Botch Antibody FL550 Conjugate



## Overview

<b>Catalog #</b>	75-181-FL550
<b>Conjugate</b>	FL550 Ex: 550 nm, Em: 575 nm
<b>Isotype</b>	IgG1
<b>Clone Number</b>	N116/14
<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 1-222 (full-length) of rat Botch1 (accession number B3STU3.1) produced recombinantly in E. Coli
<b>Molecular Weight</b>	25 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-181-FL550, RRID: AB_2939669

## Details

<b>Target Description</b>	Cation transport regulator-like protein 1, Glutathione-Specific Gamma-Glutamylcyclotransferase 1 or Botch1 is encoded by the gene CHAC1. Chac1 is a member of the gamma-glutamylcyclotransferase family. It is an enzyme that acts to catalyze the cleavage of glutathione into 5-oxo-L-proline and a Cys-Gly dipeptide. Chac1 is involved in neuronal differentiation by deglycation of the Notch receptor, which prevents receptor maturation and inhibits Notch signaling. CHAC1 is expressed in tissues including brain (forebrain and anterior spinal cord), and heart. Diseases associated with CHAC1 include Ovarian Embryonal Carcinoma and Ovarian Cancer.
<b>Specificity</b>	No cross-reactivity against Botch2/Chac2
<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.

**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**

---

As an original manufacturer, we are dedicated to creating quality and reproducible antibodies that further your research. We provide personalized customer support from the scientists that made the antibody and offer a free replacement or 100% refund if we cannot resolve an issue. Order today and experience our 50+ year passion for science.

**Note:** For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, viewable on our website.