



Datasheet for ABIN308459

anti-AUTS2 antibody (C-Term)



[Go to Product page](#)

3 Images

1 Publication

Overview

Quantity:	100 µg
Target:	AUTS2
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This AUTS2 antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Purpose:	AUTS2
Immunogen:	Peptide with sequence C-ERPPSHTLKDIEAR , from the C Terminus of the protein sequence according to NP_056385.1, NP_001120703.1.
Sequence:	ERPPSHTLKD IEAR
Isotype:	IgG
Specificity:	This antibody is expected to recognize NP_056385.1 isoforms 1 and NP_001120703.1 isoform 2.
Cross-Reactivity:	Dog, Human, Mouse
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Product Details

Grade: Verified

Target Details

Target: AUTS2

Alternative Name: AUTS2 ([AUTS2 Products](#))

Background: AUTS2, autism susceptibility candidate 2, KIAA0442, MGC13140, autism-related protein 1

Gene ID: 26053, 319974

NCBI Accession: [NP_056385](#), [NP_001120703](#)

Application Details

Application Notes: Peptide ELISA: antibody detection limit dilution 1:32000.

Comment: **Immunofluorescence:** Strong expression of the protein seen in the nuclei and cytoplasm of A431 and U2OS cells. Recommended concentration: 10µg/ml.
Flow Cytometry: Flow cytometric analysis of A431 cells. Recommended conc

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.5 mg/mL

Buffer: Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Minimize freezing and thawing.

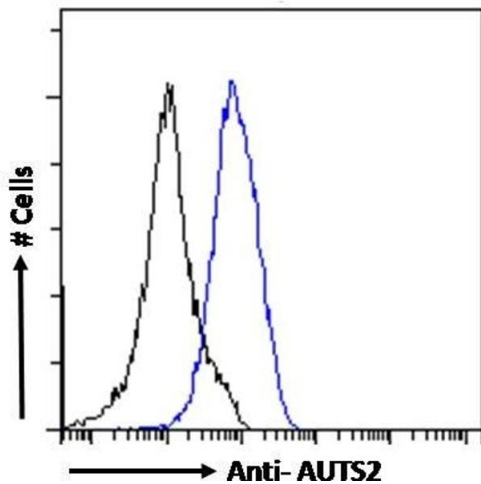
Storage: -20 °C

Storage Comment: Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

Product cited in:

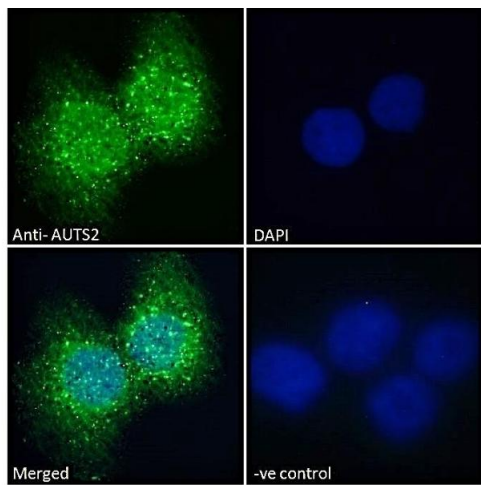
Oksenberg, Haliburton, Eckalbar, Oren, Nishizaki, Murphy, Pollard, Birnbaum, Ahituv: "Genome-wide distribution of Auts2 binding localizes with active neurodevelopmental genes." in: **Translational psychiatry**, Vol. 4, pp. e431, (2014) ([PubMed](#)).

Images



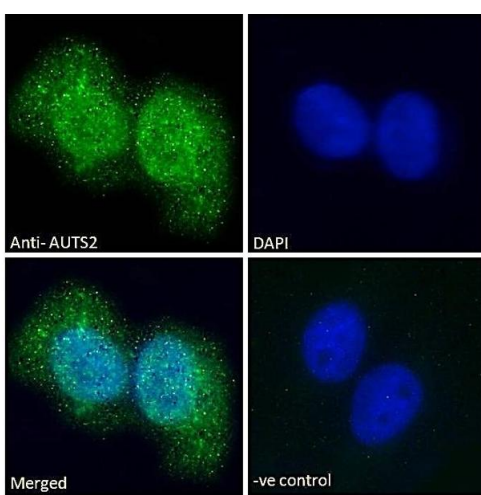
Flow Cytometry

Image 1. ABIN308459 Flow cytometric analysis of paraformaldehyde fixed A431 cells (blue line), permeabilized with 0.5 % Triton. Primary incubation 1hr (10 µg/mL) followed by Alexa Fluor 488 secondary antibody (1 µg/mL). IgG control: Unimmunized goat IgG (black line) fol



Immunofluorescence

Image 2. ABIN308459 Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15 % Triton. Primary incubation 1hr (10 µg/mL) followed by Alexa Fluor 488 secondary antibody (2 µg/mL), showing nuclear and cytoplasmic staining. The nuclear stai



Immunofluorescence

Image 3. ABIN308459 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15 % Triton. Primary incubation 1hr (10 µg/mL) followed by Alexa Fluor 488 secondary antibody (2 µg/mL), showing nuclear and cytoplasmic staining. The nuclear stai