Datasheet for ABIN334388

anti-DRD5 antibody (Internal Region)

3 Images

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Overview

Quantity:	100 µg
Target:	DRD5
Binding Specificity:	Internal Region
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This DRD5 antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Purpose:	DRD5
Immunogen:	Peptide with sequence C-NREVDNDEEEGPFD, from the internal region of the protein sequence according to NP_000789.1.
Sequence:	NREVDNDEEE GPFD
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

Target Details

Target:	DRD5
Alternative Name:	DRD5 (DRD5 Products)
Background:	DRD5, dopamine receptor D5 , DBDR, DRD1B, DRD1L2, MGC10601 , D1beta dopamine receptor, dopamine receptor D1B
Gene ID:	1816
NCBI Accession:	NP_000789
Pathways:	Regulation of Systemic Arterial Blood Pressure by Hormones, cAMP Metabolic Process, Regulation of long-term Neuronal Synaptic Plasticity

Application Details

Application Notes:	Western Blot: Preliminary testing showed a band at approx 55 kDa in Caco-2 and U2OS cell lysate after 1-2 µg/mL antibody staining (calculated MW of 53.0 kDa according to NP_000789.1). Primary incubation 1 hour at room temperature. Peptide ELISA: antibody detection limit dilution 1:128000.
Comment:	**Immunofluorescence:** Strong expression of the protein seen in the cytoplasm and plasma membranes of U251 and HeLa cells. Recommended concentration: 10µg/ml. **Flow Cytometry:** Flow cytometric analysis of U251 cells. Recomm
Restrictions:	For Research Use only

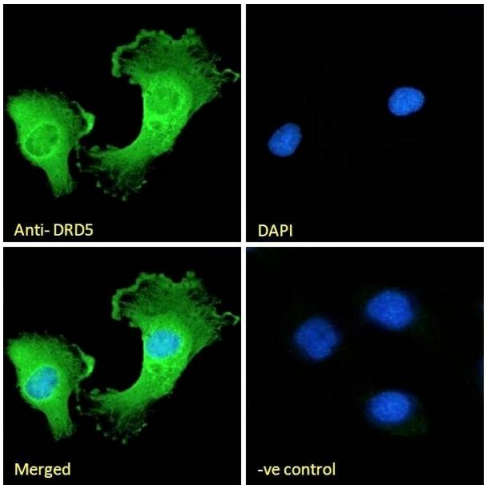
Handling

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

Handling

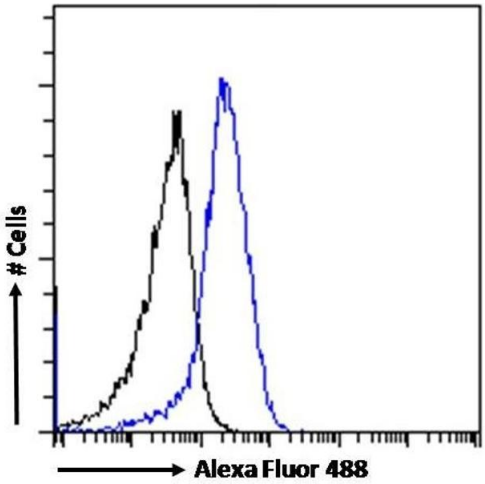
at 4°C for a few weeks and still remain viable.

Images



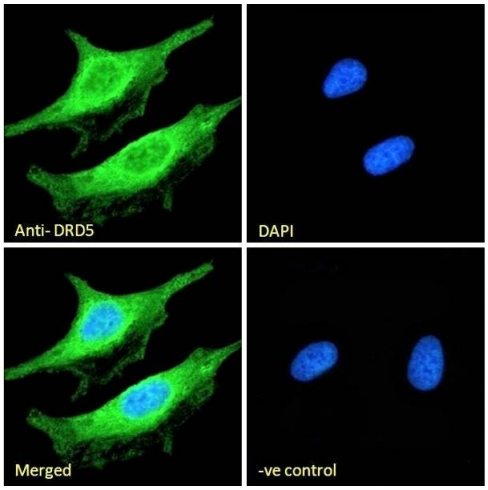
Immunofluorescence

Image 1. (ABIN334388) Immunofluorescence analysis of paraformaldehyde fixed U251 cells, permeabilized with 0.15 % Triton. Primary incubation 1hr (10 µg/mL) followed by Alexa Fluor 488 secondary antibody (2 µg/mL), showing plasma membrane and cytoplasmic staining. The nuc



Flow Cytometry

Image 2. (ABIN334388) Flow cytometric analysis of paraformaldehyde fixed U251 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 3. (ABIN334388) Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15 % Triton. Primary incubation 1hr (10 µg/mL) followed by Alexa Fluor 488 secondary antibody (2 µg/mL), showing cytoplasmic and plasma membrane staining. The nuc