Datasheet for ABIN2854280

anti-KISS1R antibody (C-Term)

3 Images | 1 Publication

Go to Product page

Overview

Quantity:	100 µL
Target:	KISS1R
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KISS1R antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus region of human GPR54. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Characteristics:	Rabbit polyclonal antibody to GPR54 (KISS1 receptor) GPR54 antibody
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	KISS1R

Target Details

Alternative Name:	KISS1 receptor (KISS1R Products)
Background:	The protein encoded by this gene is a galanin-like G protein-coupled receptor that binds metastin, a peptide encoded by the metastasis suppressor gene KISS1. The tissue distribution of the expressed gene suggests that it is involved in the regulation of endocrine function, and this is supported by the finding that this gene appears to play a role in the onset of puberty. Mutations in this gene have been associated with hypogonadotropic hypogonadism and central precocious puberty. Cellular Localization: Cell membrane, Multi-pass membrane protein
Molecular Weight:	43 kDa
Gene ID:	84634
UniProt:	Q969F8

Application Details

Application Notes:	WB: 1:500-1:3000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: A431 , HeLa , HepG2
Restrictions:	For Research Use only

Handling

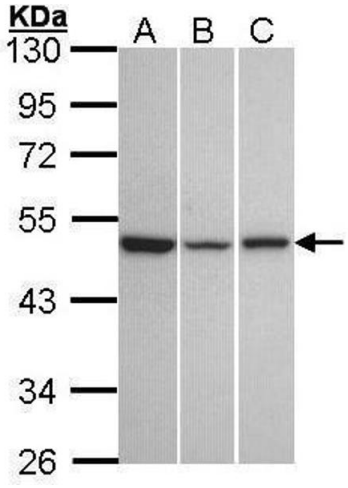
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	1XPBS (pH 7), 50 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Publications

Product cited in:

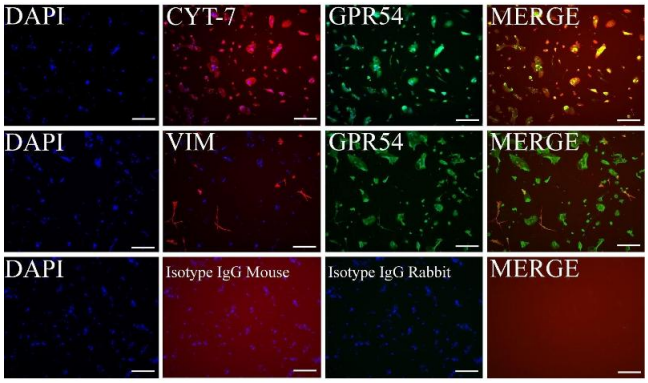
Francis, Abera, Matjila, Millar, Katz: "Kisspeptin regulation of genes involved in cell invasion and angiogenesis in first trimester human trophoblast cells." in: **PLoS ONE**, Vol. 9, Issue 6, pp. e99680, (2015) (PubMed).

Images



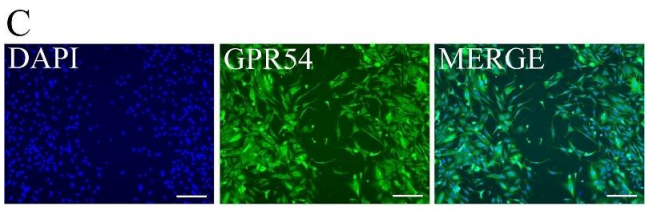
Western Blotting

Image 1. WB Image Sample (30 ug of whole cell lysate) A: A431 , B: Hela C: Hep G2 , 10% SDS PAGE antibody diluted at 1:1000



Immunofluorescence (Cultured Cells)

Image 2. Characterization of primary cultures of first trimester trophoblast cells.Staining of primary cultures of isolated first trimester trophoblast cells. Top row, staining with DAPI (blue) which labels cell nuclei, anti-cytokeratin-7 (CYT-7, red), anti-GPR54 (green) and the merge of staining with anti-cytokeratin-7 (red) and anti-GPR54 (green). Middle row, staining with DAPI (blue), anti-vimentin (VIM, red), anti-GPR54 (green) and the merge of staining with anti-vimentin (red) and anti-GPR54 (green). Bottom row, staining with DAPI (blue), isotype matched mouse and rabbit IgG as negative controls and their merge. Scale bar indicates 200 μm. - figure provided by CiteAb. Source: PMID24923321



Immunofluorescence (Cultured Cells)

Image 3. KP inhibits trophoblast migration.(A) Images of the scratch migration assay performed on trophoblast cells treated for 48(-), 100 nM KP, 1 μM KP antagonist (p356) or both treatments (KP + p356) in combination. Images were taken immediately after performing the scratch (0 h) and 48 hours later (48 h). (B) Quantification of the relative migration of untreated trophoblast cells (white bar) and trophoblast cells treated with KP (light grey bar), p356 (dark grey bar) or KP + p356 (black bar) (n=6). ANOVA test $p<0.05$, columns with different letters represent statistically different values, while same letters indicates no significant difference. (C) Staining of the migrated cells with DAPI (blue), anti-GPR54 (green) and the merge of staining. Scale bar indicates 200 μm. - figure provided by CiteAb. Source: PMID24923321