Datasheet for ABIN7582049

anti-KISS1R antibody (Extracellular) (FITC)

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Overview

Quantity:	50 µL
Target:	KISS1R
Binding Specificity:	AA 292-305, Extracellular
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KISS1R antibody is conjugated to FITC
Application:	Live Cell Imaging (LCI), Flow Cytometry (FACS)

Product Details

Purpose:	A Rabbit Polyclonal Antibody to KISS1 Receptor (GPR54) (extracellular) conjugated to the fluorescent dye FITC
Immunogen:	(C)GSWHPRSYAAYALK, corresponding to amino acid residues 292-305 of human KISS1R
Sequence:	(C)GSWHPRSYAA YALK
Isotype:	IgG
Specificity:	3rd extracellular loop
Predicted Reactivity:	Rat - 13 out of 14 amino acid residues identical,Mouse - 12 out of 14 amino acid residues identical
Characteristics:	Anti-KISS1 Receptor (GPR54) (extracellular) Antibody (ABIN7043294, ABIN7044548 and ABIN7044549) is a highly specific antibody directed against an epitope of human KISS1

Product Details

	receptor. The antibody can be used in western blot, immunohistochemistry and flow cytometry applications. It has been designed to recognize KISS1R from human, rat, and mouse samples. Anti-KISS1 Receptor (GPR54) (extracellular)-FITC Antibody (ABIN7043294, ABIN7044548 and ABIN7044549-F) is directly conjugated to fluorescein isothiocyanate (FITC) fluorophore. This conjugated antibody has been developed to be used in immunofluorescent applications such as direct flow cytometry and live cell imaging.
Purification:	Affinity purified on immobilized antigen.

Target Details

Target:	KISS1R
Alternative Name:	KISS1R (KISS1R Products)
Background:	Kisspeptin receptor, KISS1R, Metastin receptor, AXOR12, G-Protein Coupled Receptor 54,The kisspeptin receptor (KISS1R, GPCR54) is a member of the G-protein coupled receptor superfamily. KISS1R natural ligands are peptides called kisspeptins which are encoded by the Kiss1 gene. The Kiss1 gene was originally discovered by Hershey scientists who named it after their famous chocolate, the "Kiss".The kisspeptins, acting through KISS1R, were found to be potent inhibitors of metastasis in a variety of cancer cell types including thyroid and pancreatic cancer cells. KISS1R and kisspeptins are involved in the direct regulation of the reproductive neuroendocrine axis.KISS1R is widely distributed throughout the brain, where it is most highly expressed in the hypothalamic and amygdaloid nuclei. High expression was also found in the pancreas and placenta. Lower-level expression was found in a variety of other peripheral tissues including peripheral blood leukocytes, kidney, lung, testes, spleen, thymus, adrenal glands and lymph nodes.1-3
Gene ID:	84634
UniProt:	Q969F8

Application Details

Application Notes:	Antigen preadsorption control: 1 µg peptide per 1 µg antibody Application Dilutions Immunohistochemistry paraffin embedded sections ihc: N/A Application Dilutions Western blot wb: N/A
Comment:	Negative Control: (ABIN7582044) Blocking Peptide: (ABIN7235833)

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	50 µL double distilled water (DDW).
Concentration:	1 mg/mL
Buffer:	PBS pH 7.4, 1 % BSA with 0.05 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C. Storage after reconstitution: The reconstituted solution can be stored at 4°C, protected from the light, for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).