

For Research Use Only

KISS1R-Specific Polyclonal antibody

Catalog Number: 15505-1-AP

4 Publications



Basic Information

Catalog Number:

15505-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_032551

GeneID (NCBI):

84634

UNIPROT ID:

Q969F8

Full Name:

KISS1 receptor

Calculated MW:

43 kDa

Observed MW:

75 kDa, 43-45 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IHC 1:50-1:500

IF/ICC 1:10-1:100

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse

Cited Species:

human, bovine

Positive Controls:

WB : mouse cerebellum tissue, MCF-7 cells, SH-SY5Y cells

IHC : mouse cerebellum tissue,

IF/ICC : MCF-7 cells, Hela cells, HepG2 cells

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

KISS1R is the receptor for metastin (kisspeptin-54, 13, 14, 10), C- terminally amidated peptides of KISS-1. KISS-1 is a metastasis suppressor protein that suppresses metastases in malignant melanomas and in some other carcinomas without affecting tumorigenicity. The metastasis suppressor properties may be mediated in part by cell cycle arrest and induction of apoptosis in malignant cells. The receptor is also probably involved in the regulation and fine-tuning of trophoblast invasion generated by the trophoblast itself. Analysis of the transduction pathways activated by the receptor identifies coupling to phospholipase C and intracellular calcium release through pertussis toxin-insensitive G(q) proteins.

Notable Publications

Author	Pubmed ID	Journal	Application
Yanwei Li	31621904	J Cell Physiol	
Jianhua Sun	29206176	Int J Mol Sci	WB
Yu Cao	33818062	J Agric Food Chem	WB,IF

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

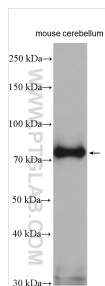
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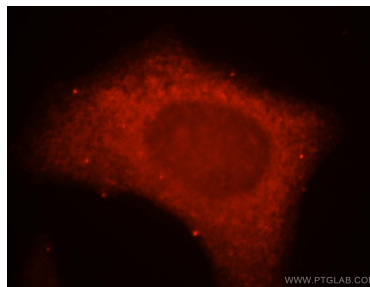
E: proteintech@ptglab.com
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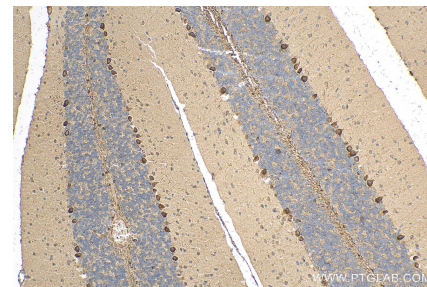
Selected Validation Data



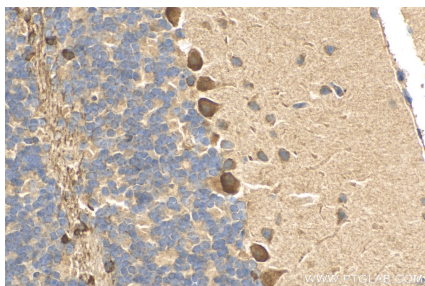
mouse cerebellum tissue were subjected to SDS PAGE followed by western blot with 15505-1-AP (KISS1R-Specific antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of MCF-7 cells, using KISS1R antibody 15505-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 15505-1-AP (KISS1R-Specific antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 15505-1-AP (KISS1R-Specific antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).