

APLNR Polyclonal Antibody

Description

Product type Primary Antibody

Code BT-AP00518

Host Rabbit

Isotype IgG

Size 20ul, 50ul, 100ul

Immunogen The antiserum was produced against synthesized peptide derived from human AGTRL1. AA range:141-190

Mol wt 42660

Species reactivity Human

Clonality Polyclonal

Recommended application WB, IHC-p, IF, ELISA

Concentration 1 mg/ml

Full name APLNR Antibody

Synonyms APLNR; AGTRL1; APJ; Apelin receptor; Angiotensin receptor-like 1; G-protein coupled receptor APJ; G-

protein coupled receptor HG11

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

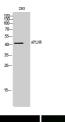
APLNR encodes a member of the G protein-coupled receptor gene family. The apelin receptor is related to the angiotensin receptor, but is actually an apelin receptor that inhibits adenylate cyclase activity and plays a counter-regulatory role against the pressure action of angiotensin II by exerting hypertensive effect. It functions in the cardiovascular and central nervous systems, in glucose metabolism, in embryonic and tumor angiogenesis and as a human immunodeficiency virus (HIV-1) coreceptor. Two transcript variants resulting from alternative splicing have been identified.

Recommended Dilution

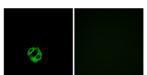
WB: 1: 500 - 1: 2000 IHC: 1: 100 - 1: 300 IF: 1: 200 - 1: 1000 ELISA: 1: 10000

Not yet tested in other applications.

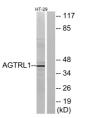
Images



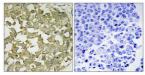
Western Blot analysis of 293 cells using APLNR Polyclonal Antibody



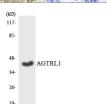
Immunofluorescence analysis of MCF7 cells, using AGTRL1 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HT-29 cells, using AGTRL1 Antibody. The lane on the right is blocked with the synthesized peptide.



 $Immunohistochemical \ analysis \ of paraffin-embedded \ Human \ breast \ cancer. \ Antibody \ was \ diluted \ at$ $1:100(4^{\circ} \ overnight). \ High-pressure \ and \ temperature \ Tris-EDTA, pH8.0 \ was \ used \ for \ antigen \ retrieval.$ Negetive contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.



Western blot analysis of the lysates from HT-29 cells using AGTRL1 antibody.

Storage

-20°C for one year

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