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GPR173 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50714

Specification

GPR173 Antibody - Product Information

Application	**WB**
Primary Accession	Q9NS66
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**41 KDa**
Antigen Region	**261-290**

GPR173 Antibody - Additional Information

Gene ID 54328

Other Names
Probable G-protein coupled receptor 173, Super conserved receptor expressed in brain 3, GPR173, SREB3

Dilution
WB~~1:1000

Format
Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.

Storage Conditions
-20℃

GPR173 Antibody - Protein Information

Name GPR173

Synonyms SREB3

Function
Is a receptor for the SMIM20 derived peptides Phoenixin-14 and Phoenixin-20 (By similarity). It mediates the Phoenixin-14 and Phoenixin-20 augmentation of gonadotropin-releasing hormone (GNRH) signaling in the hypothalamus and pituitary gland (By similarity). In the ovary, it mediates the effects of Phoenixin-14 and Phoenixin-20 induced granulosa cell proliferation during follicular growth (PubMed:30933929).

Cellular Location
Cell membrane; Multi-pass membrane protein

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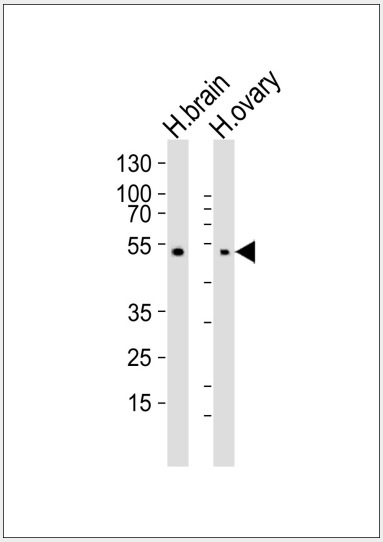
Tissue Location
Expressed in the ovary, specifically in granulosa cells of follicles that have passed the primary stage and in oocytes (at protein level) (PubMed:30933929). Expressed at high levels in brain. Lower levels in small intestine. In brain regions, detected in all regions tested. Highest levels in the cerebellum and cerebral cortex.

GPR173 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

GPR173 Antibody - Images



Western blot analysis of lysates from human brain and ovary tissue lysate(from left to right),using GPR173 Antibody(AP50714). AP50714 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.Lysates at 35ug per lane.

GPR173 Antibody - Background

Orphan receptor.

GPR173 Antibody - References

Matsumoto M.,et al.Biochem. Biophys. Res. Commun. 272:576-582(2000).
Ross M.T.,et al.Nature 434:325-337(2005).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.