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GPR173 Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50714

Product Information

Application	WB
Primary Accession	Q9NS66
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	polyclonal
Calculated MW	41481

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℃

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
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.

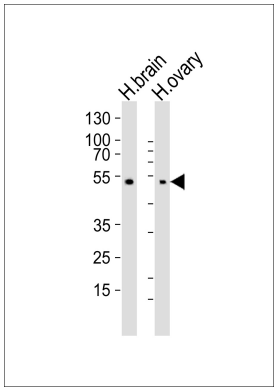
Background

Orphan receptor.

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.

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.