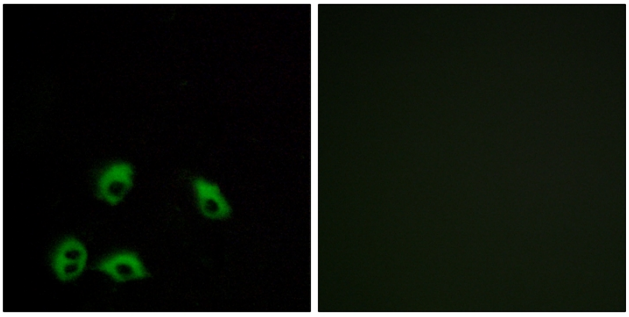
GPR103 Polyclonal Antibody

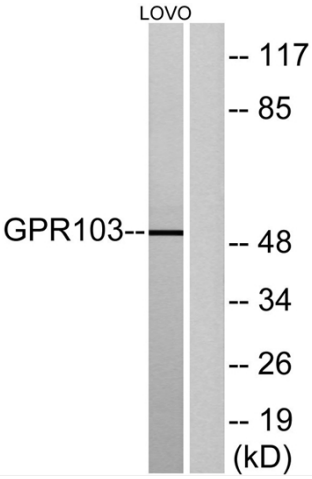
Catalog No	YP-Ab-13281
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IF;ELISA
Gene Name	QRFPR
Protein Name	Pyroglutamylated RFamide peptide receptor
Immunogen	The antiserum was produced against synthesized peptide derived from human GPR103. AA range:271-320
Specificity	GPR103 Polyclonal Antibody detects endogenous levels of GPR103 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	QRFPR; GPR103; Pyroglutamylated RFamide peptide receptor; AQ27; G-protein coupled receptor 103; Orexigenic neuropeptide QRFP receptor; SP9155
Observed Band	49kD
Cell Pathway	Cell membrane; Multi-pass membrane protein.
Tissue Specificity	Expressed widely in the brain with high levels in the hypothalamus, trigeminal ganglia and vestibular neurons, and moderate levels in the amygdala, cortex, pituitary, hippocampus, thalamus, caudate nucleus and medulla oblongata. In peripheral tissues, expressed at high levels in the retina and at moderate levels in the heart, kidney, testis and thyroid.
Function	function:Receptor for the orexigenic neuropeptide QRFP. The activity of this receptor is mediated by G proteins that modulate adenylate cyclase activity and intracellular calcium levels.,similarity:Belongs to the G-protein coupled receptor 1 family.,tissue specificity:Expressed widely in the brain with high levels in the hypothalamus, trigeminal ganglia and vestibular neurons, and moderate levels in the amygdala, cortex, pituitary, hippocampus, thalamus, caudate nucleus and medulla oblongata. In peripheral tissues, expressed at high levels in the retina and at moderate levels in the heart, kidney, testis and thyroid.,
Background	function:Receptor for the orexigenic neuropeptide QRFP. The activity of this receptor is mediated by G proteins that modulate adenylate cyclase activity and

	intracellular calcium levels.,similarity:Belongs to the G-protein coupled receptor 1 family.,tissue specificity:Expressed widely in the brain with high levels in the hypothalamus, trigeminal ganglia and vestibular neurons, and moderate levels in the amygdala, cortex, pituitary, hippocampus, thalamus, caudate nucleus and medulla oblongata. In peripheral tissues, expressed at high levels in the retina and at moderate levels in the heart, kidney, testis and thyroid.,
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

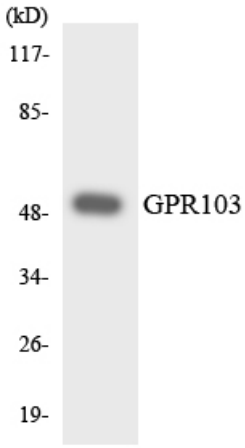
Products Images



Immunofluorescence analysis of MCF7 cells, using GPR103 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from LOVO cells, using GPR103 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from Jurkat cells using GPR103 antibody.