



## Rabbit Anti-GPR102 antibody

SL12023R

<b>Product Name:</b>	GPR102
<b>Chinese Name:</b>	G protein-coupled receptor102抗体
<b>Alias:</b>	G protein coupled receptor 102; G-protein coupled receptor 102; GPR102; TA5; TAAR8; TAAR8_HUMAN; TaR-5; TaR-8; TAR5; Trace amine associated receptor 8; Trace amine receptor 5; Trace amine receptor 8; Trace amine-associated receptor 8; TRAR5; GPCR GPR102.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Pig,Cow,Rabbit,Sheep,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	38kDa
<b>Cellular localization:</b>	The cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human G protein coupled receptor 102:51-150/342<Extracellular>
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	Trace amines are endogenous molecules structurally related to classical biogenic amines that are linked to psychiatric conditions. A family of G-protein coupled receptors referred to as trace-amine-associated receptors (TAAR) are activated by trace

amines and are present in very low levels in mammalian tissue. TaRs contain several structural features that are similar to the rhodopsin  $\beta$ -adrenergic receptor superfamily, including the positions of the seven transmembrane regions that provide common ligand-binding pockets as well as the short N- and C-terminal domains. TAAR proteins are potential targets for drugs of abuse, such as amphetamine and MDMA, as well as neuropsychiatric disorders including schizophrenia, depression, and attention deficit disorder.

**Function:**

Orphan receptor. Could be a receptor for trace amines. Trace amines are biogenic amines present in very low levels in mammalian tissues. Although some trace amines have clearly defined roles as neurotransmitters in invertebrates, the extent to which they function as true neurotransmitters in vertebrates has remained speculative. Trace amines are likely to be involved in a variety of physiological functions that have yet to be fully understood.

**Subcellular Location:**

Cell membrane.

**Tissue Specificity:**

Expressed in kidney and amygdala. Not expressed in other tissues or brain regions tested.

**Similarity:**

Belongs to the G-protein coupled receptor 1 family.

**SWISS:**

Q969N4

**Gene ID:**

83551

**Database links:**

[Entrez Gene: 83551](#) Human

[Omim: 606927](#) Human

[SwissProt: Q969N4](#) Human

[Unigene: 350571](#) Human

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

