

GPR102 Rabbit pAb

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Catalog # AP55963

Product Information

Application	WB
Primary Accession	Q969N4
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38029
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human GPR102
Epitope Specificity	1-100/342
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cell membrane; Multi-pass membrane protein.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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 β -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.

Additional Information

Gene ID	83551
Other Names	Trace amine-associated receptor 8, TaR-8, Trace amine receptor 8, G-protein coupled receptor 102, Trace amine receptor 5, TaR-5, TAAR8, GPR102, TA5, TAR5, TRAR5
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

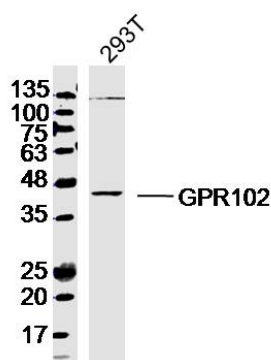
Protein Information

Name	TAAR8
Synonyms	GPR102, TA5, TAR5, TRAR5
Function	Olfactory receptor specific for trace amines (By similarity). Trace amine compounds are enriched in animal body fluids and act on trace amine-associated receptors (TAARs) to elicit both intraspecific and interspecific innate behaviors (By similarity). Ligand-binding causes a conformation change that triggers signaling via G alpha proteins, possibly G(i)/G(o) G alpha proteins (PubMed: 25391046).
Cellular Location	Cell membrane; Multi-pass membrane protein
Tissue Location	Expressed in kidney and amygdala. Not expressed in other tissues or brain regions tested.

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Images



Sample: 293T Cell (Human) Lysate at 40 ug
Primary: Anti-GPR102 (AP55963) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 38 kD
Observed band size: 42 kD

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.