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Rabbit Anti-OR10A5 antibody

SL11631R

Product Name:	OR10A5
Chinese Name:	味觉受体蛋白家族10亚基5抗体
Alias:	HP3; O10A5_HUMAN; Olfactory receptor 10A1; Olfactory receptor 10A5; Olfactory receptor 11-403; Olfactory receptor-like protein JCG6; OR10A1; OR10A5; OR11-403; R10A1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,Horse,Rabbit,Sheep,
Applications:	ELISA=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.
Molecular weight:	35kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human OR10A5:231-317/317<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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.
PubMed:	PubMed
Product Detail:	Olfactory receptors interact with odorant molecules in the nose to initiate a neuronal response that leads to the perception of smell. While they share a seven transmembrane domain structure with many neurotransmitter and hormone receptors, olfactory receptors are responsible for the recognition and transduction of odorant signals.

OR10A2 (olfactory receptor 10A2) and OR10A5 (olfactory receptor 10A5) are multi-pass membrane proteins that belong to the G-protein coupled receptor 1 family and are encoded by genes that map to human chromosome 11p15.4. Chromosome 11 houses over 1,400 genes and comprises nearly 4% of the human genome. Jervell and Lange-Nielsen syndrome, Jacobsen syndrome, Niemann-Pick disease, hereditary angioedema and Smith-Lemli-Opitz syndrome are associated with defects in genes that map to chromosome 11.

Function:
Odorant receptor (Potential). May be involved in taste perception.

Subcellular Location:
Cell membrane; Multi-pass membrane protein.

Tissue Specificity:
Expressed in the tongue.

Similarity:
Belongs to the G-protein coupled receptor 1 family.

SWISS:
Q9H207

Gene ID:
144124

Database links:

Entrez Gene: 144124Human

SwissProt: Q9H207Human

Unigene: 447478Human

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