Product Name: **Olfactory receptor 10X1 Rabbit Polyclonal Antibody**
Catalog #: **APRab15152**
For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,ICC/IF,ELISA
Reactivity	Human,Rat,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,ICC/IF 1:200-1:1000,ELISA 1:20000-1:40000
Molecular Weight	28kDa

Antigen Information

Gene Name	OR10X1
Alternative Names	
Gene ID	128367.0
SwissProt ID	Q8NGY0/Q8NGX7
Immunogen	The antiserum was produced against synthesized peptide derived from human OR10X1. AA range:216-265

Background

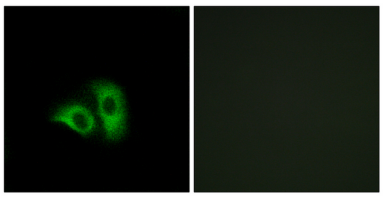
Olfactory receptors interact with odorant molecules in the nose, to initiate a neuronal response that triggers the perception of a

smell. The olfactory receptor proteins are members of a large family of G-protein-coupled receptors (GPCR) arising from single coding-exon genes. Olfactory receptors share a 7-transmembrane domain structure with many neurotransmitter and hormone receptors and are responsible for the recognition and G protein-mediated transduction of odorant signals. The olfactory receptor gene family is the largest in the genome. The nomenclature assigned to the olfactory receptor genes and proteins for this organism is independent of other organisms. This olfactory receptor gene is a segregating pseudogene, where some individuals have an allele that encodes a functional olfactory receptor, while other individuals have an allele encoding afunction:Odorant receptor .,polymorphism:A stop codon at position Trp-66 in the gene coding for this protein is responsible for functional diversity thus producing a pseudogene. The stop codon is more frequent in African-Americans than in non-Africans.,similarity:Belongs to the G-protein coupled receptor 1 family.,

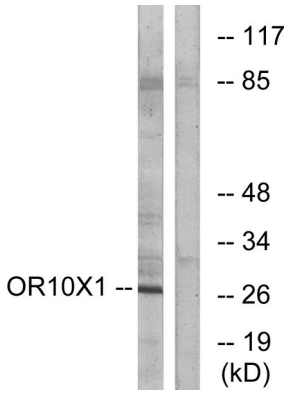
Research Area

Olfactory transduction;

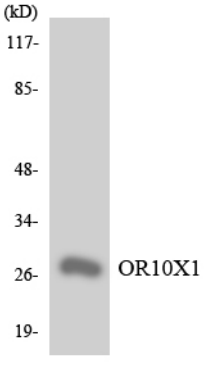
Image Data



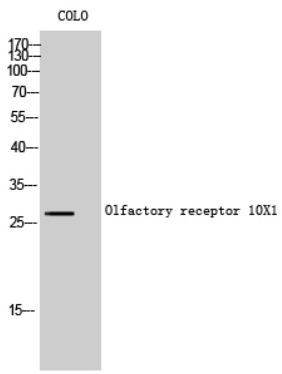
Immunofluorescence analysis of A549 cells, using OR10X1 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from COLO cells, using OR10X1 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from Jurkat cells using OR10X1 antibody.



Western Blot analysis of COLO cells using Olfactory receptor 10X1 Polyclonal Antibody