

**Olfactory receptor 51Q1 Polyclonal Antibody**

<b>Catalog No :</b>	YT3370
<b>Reactivity :</b>	Human;Rat;Mouse;
<b>Applications :</b>	IF;ELISA
<b>Target :</b>	Olfactory receptor 51Q1
<b>Fields :</b>	>>Olfactory transduction
<b>Gene Name :</b>	OR51Q1
<b>Protein Name :</b>	Olfactory receptor 51Q1
<b>Human Gene Id :</b>	390061
<b>Human Swiss Prot No :</b>	Q8NH59
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human OR51Q1. AA range:268-317
<b>Specificity :</b>	Olfactory receptor 51Q1 Polyclonal Antibody detects endogenous levels of Olfactory receptor 51Q1 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	36kD

**Cell Pathway :** Olfactory transduction;

**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. [provided by RefSeq, Jul 2008],

**Function :** function:Odorant receptor .,polymorphism:A stop codon at position Arg-236 in the gene coding for this protein is responsible for functional diversity thus producing a pseudogene.,similarity:Belongs to the G-protein coupled receptor 1 family.,

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

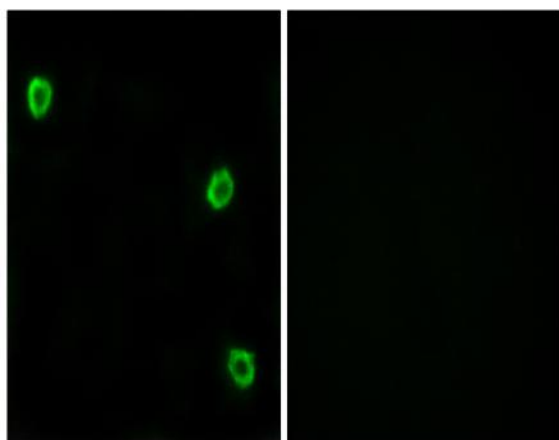
**Sort :** 11199

**No4 :** 1

**Host :** Rabbit

**Modifications :** Unmodified

## Products Images



Immunofluorescence analysis of LOVO cells, using OR51Q1 Antibody. The picture on the right is blocked with the synthesized peptide.