



Olfactory receptor 51G1 rabbit pAb

Cat No.:ES7573

For research use only

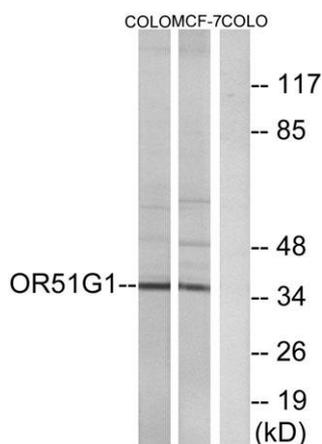
Overview

Product Name	Olfactory receptor 51G1 rabbit pAb
Host species	Rabbit
Applications	WB;IF;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human OR51G1. AA range:199-248
Specificity	Olfactory receptor 51G1 Polyclonal Antibody detects endogenous levels of Olfactory receptor 51G1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Olfactory receptor 51G1
Gene Name	OR51G1
Cellular localization	Cell membrane; Multi-pass membrane protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	36kD
Human Gene ID	79324
Human Swiss-Prot Number	Q8NGK1
Alternative Names	OR51G1; OR51G3P; Olfactory receptor 51G1; Olfactory receptor 51G3; Olfactory receptor OR11-29
Background	Olfactory receptors interact with odorant molecules in the nose, to initiate a neuronal response that triggers the perception of a smell. The olfactory

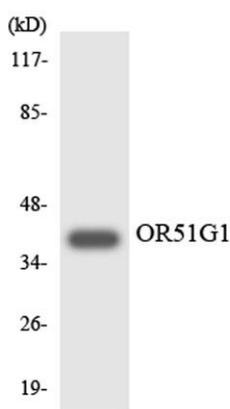




receptor proteins are members of a large family of G-protein-coupled receptors (GPCR) arising from single coding-exon genes. Olfactory receptors share a 7-transmembrane domain structure with many neurotransmitter and hormone receptors and are responsible for the recognition and G protein-mediated transduction 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 a



Western blot analysis of lysates from COLO and MCF-7 cells, using OR51G1 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from COLO205 cells using OR51G1 antibody.

