

Olfactory receptor 51B2 rabbit pAb

Cat No.:ES3048

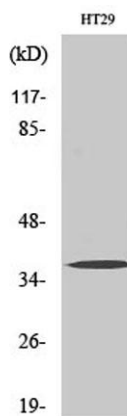
For research use only

Overview

Product Name	Olfactory receptor 51B2 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: 1/10000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human OR51B2. AA range:196-245
Specificity	Olfactory receptor 51B2 Polyclonal Antibody detects endogenous levels of Olfactory receptor 51B2 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 51B2
Gene Name	OR51B2
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	38kD
Human Gene ID	79345
Human Swiss-Prot Number	Q9Y5P1
Alternative Names	OR51B2; OR51B1P; Olfactory receptor 51B2; Odorant receptor HOR5'beta3; Olfactory receptor 51B1
Background	Olfactory receptors interact with odorant molecules in the nose, to initiate a neuronal response that triggers the perception of a smell. The olfactory

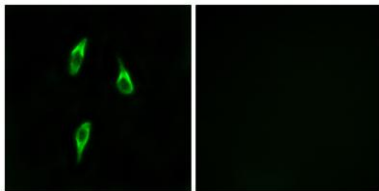


receptor proteins are members of a large family of G-protein-coupled receptors (GPCR) arising from single coding-exon genes. Olfactory receptors share a 7-transmembrane domain structure with many neurotransmitter and hormone receptors and are responsible for the recognition and G protein-mediated transduction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



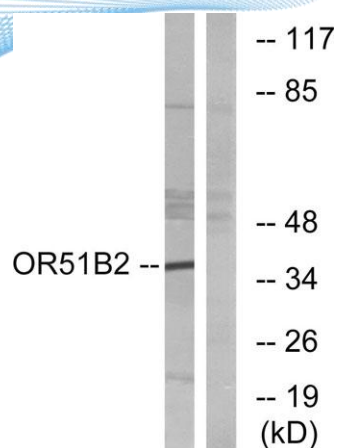
Western Blot analysis of various cells using Olfactory receptor 51B2 Polyclonal Antibody diluted at 1:500

Immunofluorescence analysis of LOVO cells, using OR51B2 Antibody. The picture on the right is blocked with the synthesized peptide.

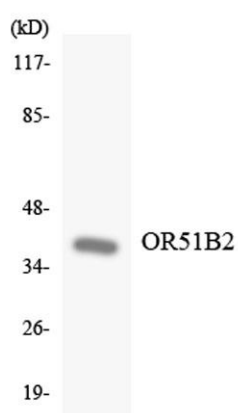




ELK Biotechnology



Western blot analysis of lysates from HT-29 cells, using OR51B2 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from K562 cells using OR51B2 antibody.



+86-27-59760950

ELKbio@ELKbiotech.com

www.elkbiotech.com

23-2, No.388 Gaoxin 2nd Road,Wuhan East Lake Hi-tech Development Zone, Hubei , P.R.C