

Olfactory receptor 51B2 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP06464
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human OR51B2. AA range:196-245
Mol wt	35514
Species reactivity	Human
Clonality	Polyclonal
Recommended application	WB, IF, ELISA
Concentration	1 mg/ml
Full name	Olfactory receptor 51B2 Antibody
Synonyms	OR51B2; OR51B1P; Olfactory receptor 51B2; Odorant receptor HOR5 ^{beta} 3; Olfactory receptor 51B1

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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 protein that is predicted to be non-functional.

Recommended Dilution

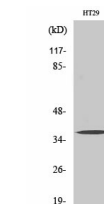
WB: 1: 500 - 1: 2000

IF: 1: 200 - 1: 1000

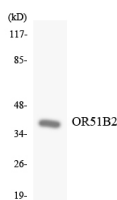
ELISA: 1: 10000

Not yet tested in other applications.

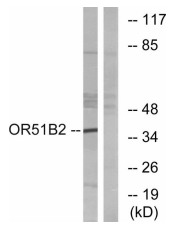
Images



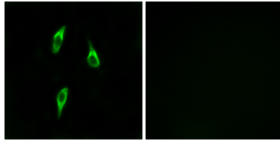
Western blot analysis of various cells using Olfactory receptor 51B2 Polyclonal Antibody diluted at 1:500



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



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



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

Storage

-20°C for one year

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