

## Olfactory receptor 2AG1/2 Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP06398
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human OR2AG1/2AG2. AA range:61-110
<b>Mol wt</b>	35270
<b>Species reactivity</b>	Human
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, IF, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Olfactory receptor 2AG1/2 Antibody
<b>Synonyms</b>	OR2AG1; OR2AG3; Olfactory receptor 2AG1; HT3; Olfactory receptor 2AG3; Olfactory receptor OR11-79; OR2AG2; OR2AG2P; Olfactory receptor 2AG2

**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

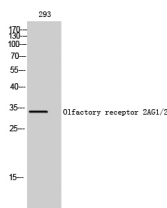
WB: 1: 500 - 1: 2000

IF: 1: 200 - 1: 1000

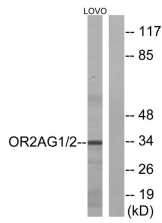
ELISA: 1: 10000

Not yet tested in other applications.

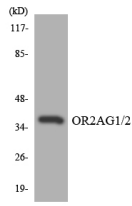
### Images



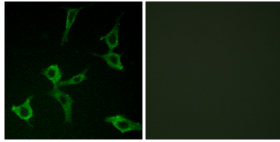
Western Blot analysis of 293 cells using Olfactory receptor 2AG1/2 Polyclonal Antibody diluted at 1:500



Western blot analysis of lysates from LOVO cells, using OR2AG1/2AG2 Antibody. The lane on the right is blocked with the synthesized peptide.



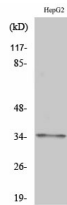
Western blot analysis of the lysates from HeLa cells using OR2AG1/2 antibody.



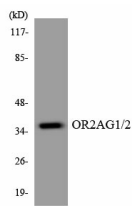
Immunofluorescence analysis of LOVO cells, using OR2AG1/2AG2 Antibody. The picture on the right is blocked with the synthesized peptide.



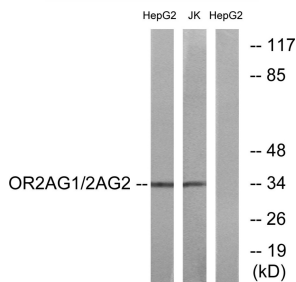
Immunofluorescence analysis of A549 cells, using OR2AG1/2AG2 Antibody. The picture on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using Olfactory receptor 2AG1/2 Polyclonal Antibody



Western blot analysis of the lysates from HT-29 cells using OR2AG1/2 antibody.



Western blot analysis of lysates from HepG2 and Jurkat cells, using OR2AG1/2AG2 Antibody. The lane on the right is blocked with the synthesized peptide.

### Storage

-20°C for one year

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