ELK Biotechnology

Olfactory receptor 2AG1/2 rabbit pAb

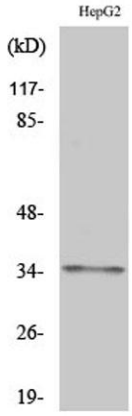
Cat No.:ES3027

For research use only

Overview

Product Name	Olfactory receptor 2AG1/2 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 OR2AG1/2AG2. AA range:61-110
Specificity	Olfactory receptor 2AG1/2 Polyclonal Antibody detects endogenous levels of Olfactory receptor 2AG1/2 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 2AG1/2
Gene Name	OR2AG1/OR2AG2
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	35kD
Human Gene ID	144125/338755
Human Swiss-Prot Number	Q9H205/A6NM03
Alternative Names	OR2AG1; OR2AG3; Olfactory receptor 2AG1; HT3; Olfactory receptor 2AG3; Olfactory receptor OR11-79; OR2AG2; OR2AG2P; Olfactory receptor 2AG2
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 2AG1/2 Polyclonal Antibody

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

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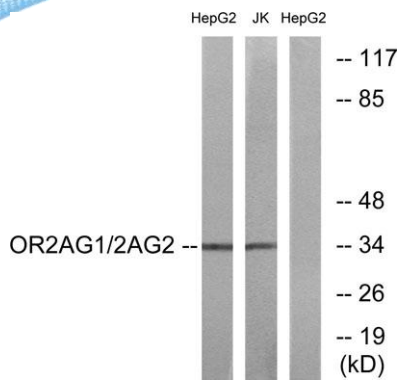
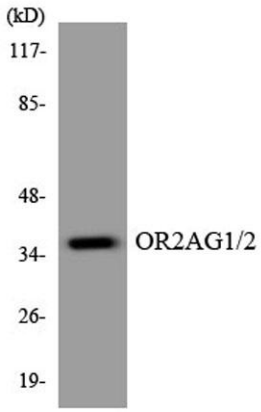


Western blot analysis of lysates from HepG2 and Jurkat cells, using OR2AG1/2AG2 Antibody. The lane on the right is blocked with the synthesized peptide.



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

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