Product Name: Olfactory receptor 52N4 Rabbit Polyclonal Antibody
Catalog #: APRab15268

Summary

Production Name	Olfactory receptor 52N4 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Rat,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	OR52N4
Alternative Names	OR52N4; Olfactory receptor 52N4; Olfactory receptor OR11-64
Gene ID	390072.0
SwissProt ID	Q8NGI2.The antiserum was produced against synthesized peptide derived from human OR52N4. AA range:272-321

Application

Dilution Ratio	WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.
Molecular Weight	36kD

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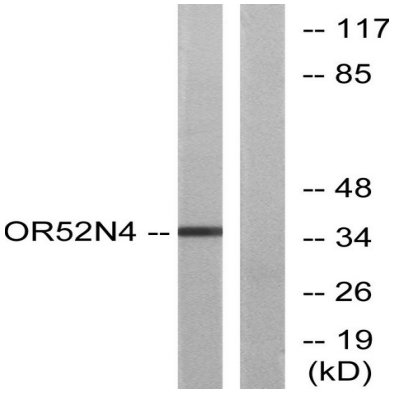
Background

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. [provided by RefSeq, Jul 2008],function:Odorant receptor .,polymorphism:A stop codon at position Arg-172 in the gene coding for this protein is responsible for functional diversity thus producing a pseudogene. The stop codon is more frequent in non-Africans than in African-Americans.,similarity:Belongs to the G-protein coupled receptor 1 family.,

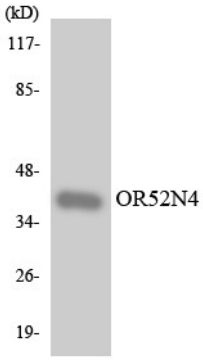
Research Area

Olfactory transduction;

Image Data



Western blot analysis of lysates from HeLa cells, using OR52N4 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from COLO205 cells using OR52N4 antibody.

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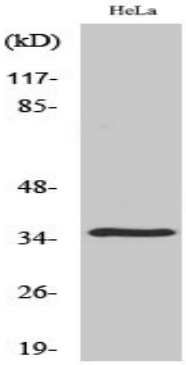

Western Blot analysis of various cells using Olfactory receptor 52N4 Polyclonal Antibody

Note

For research use only.