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anti-OR2T3 antibody (C-Term)

3 Images



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0.0.	

Quantity:	0.4 mL
Target:	OR2T3
Binding Specificity:	AA 287-316, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OR2T3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded
	Sections) (IHC (p)), Enzyme Immunoassay (EIA)
Product Details	
Immunogen:	KLH conjugated synthetic peptide between 287-316 amino acids from the C-terminal region of
	human Olfactory receptor 2T3 Genename: OR2T3
Isotype:	lg Fraction
Specificity:	This antibody recognizes Human Olfactory receptor 2T3 (C-term).
Purification:	Protein A column, followed by peptide affinity purification
Target Details	
Target:	OR2T3
Alternative Name:	Olfactory Receptor 2T3 (OR2T3 Products)

Target Details

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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. Synonyms: OR2T3

Molecular Weight:

35598 Da

Gene ID:

343173

NCBI Accession:

NP_001005495

Application Details

Application Notes:

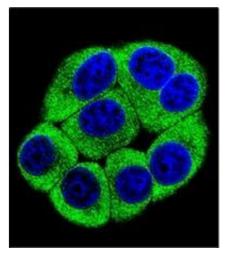
Optimal working dilution should be determined by the investigator.

Restrictions:

For Research Use only

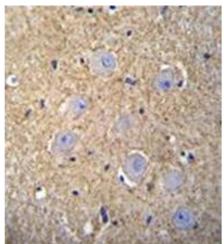
Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS containing 0.09 % (W/V) Sodium Azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



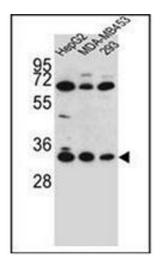
Immunofluorescence

Image 1. Confocal immunofluorescent analysis of OR2T3 Antibody (C-term) Cat.-No AP53039PU-N with 293 cell followed by Alexa Fluor[®]488-conjugated goat anti-rabbit lgG (green). DAPI was used to stain the cell nuclear (blue).



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue reacted with OR2T3 Antibody (C-term) followed which was peroxidase conjugated to the secondary antibody and followed by DAB staining. This data demonstrates the use of OR2T3 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Western Blotting

Image 3. Western blot analysis of OR2T3 Antibody (C-term) in HepG2, MDA-MB453, 293 cell line lysates (35ug/lane). This demonstrates the OR2T3 antibody detected the OR2T3 protein (arrow).