

Product datasheet for **AP53039PU-N**

OR2T3 (C-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	ELISA: 1/1000. Western Blot: 1/100-1/500. Immunofluorescence: 1/10-1/50. Immunohistochemistry on Paraffin Sections: 1/10-1/50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 287-316 amino acids from the C-terminal region of human Olfactory receptor 2T3
Specificity:	This antibody recognizes Human Olfactory receptor 2T3 (C-term).
Formulation:	PBS containing 0.09% (W/V) Sodium Azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein A column, followed by peptide affinity purification
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	olfactory receptor family 2 subfamily T member 3
Database Link:	Entrez Gene 343173 Human Q8NH03



[View online »](#)

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.

Synonyms:

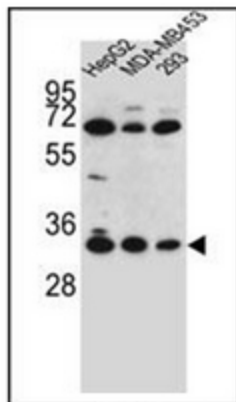
OR2T3

Note:**Molecular Weight:** 35598 Da**Protein Families:**

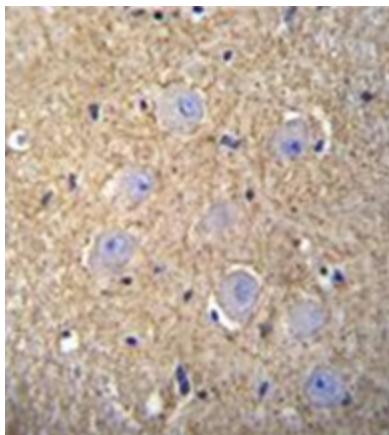
Transmembrane

Protein Pathways:

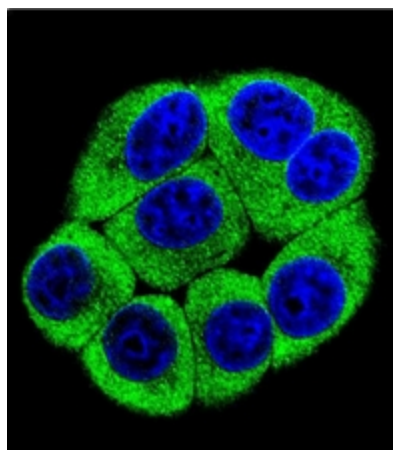
Olfactory transduction

Product images:

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).



Immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue reacted with OR2T3 Antibody (C-term), 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.



Confocal immunofluorescent analysis of OR2T3 Antibody (C-term) with 293 cell followed by Alexa Fluor[®]488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).