

## Product datasheet for **TA356394**

### OR2AT4 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human OR2AT4
Specificity:	<b>Expected reactivity:</b> Cow, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat <b>Homology:</b> Cow: 85%; Guinea Pig: 77%; Horse: 77%; Human: 100%; Mouse: 85%; Pig: 85%; Rabbit: 77%; Rat: 92%
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	35kDa
Gene Name:	olfactory receptor family 2 subfamily AT member 4
Database Link:	<a href="#">NP_001005285</a> <a href="#">Entrez Gene 341152 Human</a> <a href="#">A6NND4</a>



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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.

**Synonyms:**

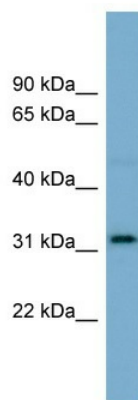
OR11-265

**Protein Families:**

Transmembrane

**Protein Pathways:**

Olfactory transduction

**Product images:**

WB Suggested Anti-OR2AT4 Antibody Titration:  
0.2-1 ug/ml  
Positive Control: OVCAR-3 cell lysate