

## Product datasheet for **TA308707**

### GPR 164 (OR51E1) Rabbit Polyclonal Antibody

#### Product data:

|                         |   |
|-------------------------|---|
| Product Type:           | Primary Antibodies  |
| Applications:           | IHC, WB   |
| Recommended Dilution:   | IHC:1:100-1:1000; WB:1:500-1:3000   |
| Reactivity:             | Human (Predicted: Rabbit)   |
| Host:                   | Rabbit  |
| Isotype:                | IgG   |
| Clonality:              | Polyclonal  |
| Immunogen:              | Synthetic peptide corresponding to a region within amino acids 78 and 170 of GPR164 (Uniprot ID#Q8TCB6) |
| Formulation:            | 1XPBS, 50% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.                                |
| Concentration:          | lot specific  |
| Purification:           | Purified by antigen-affinity chromatography.  |
| Conjugation:            | Unconjugated  |
| Storage:                | Store at -20°C as received.   |
| Stability:              | Stable for 12 months from date of receipt.  |
| Predicted Protein Size: | 35 kDa  |
| Gene Name:              | olfactory receptor family 51 subfamily E member 1   |
| Database Link:          | <a href="#">NP_689643</a><br><a href="#">Entrez Gene 143503 Human</a><br><a href="#">Q8TCB6</a>         |

**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]



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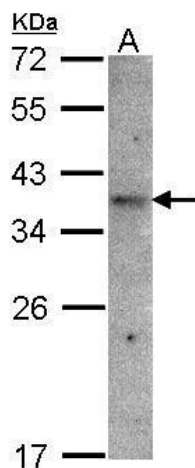
**Synonyms:** D-GPCR; DGPCR; GPR136; GPR164; OR51E1P; OR52A3P; POGR; PSGR2

**Note:** Seq homology of immunogen across species: Rabbit (100%)

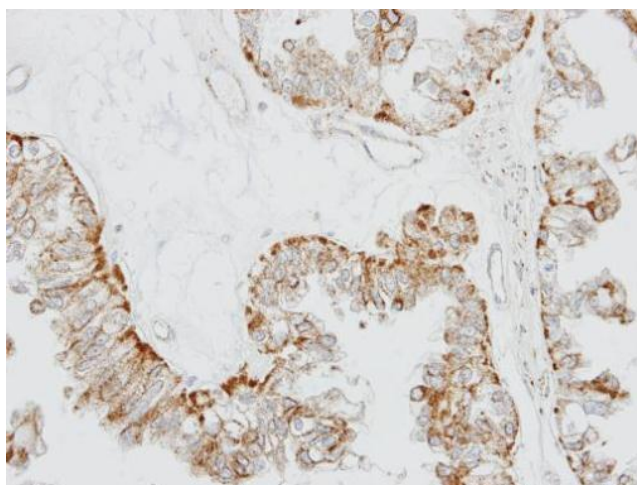
**Protein Families:** Druggable Genome, GPCR, Transmembrane

**Protein Pathways:** Olfactory transduction

**Product images:**



Sample (30 ug of whole cell lysate). A:Raji. 12% SDS PAGE. TA308707 diluted at 1:1500



Immunohistochemical analysis of paraffin-embedded OVCA xenograft, using GPR164 (TA308707) antibody at 1:100 dilution.