



## O10X1 Polyclonal Antibody

| Catalog No         | BYab-07572  |
|--------------------|---|
| Isotype            | IgG   |
| Reactivity         | Human;Rat;Mouse;  |
| Applications       | WB;ELISA  |
| Gene Name          | OR10X1 OR10X1P  |
| Protein Name       | Olfactory receptor 10X1 (Olfactory receptor OR1-14)   |
| Immunogen          | Synthesized peptide derived from human protein . at AA range: 190-270   |
| Specificity        | O10X1 Polyclonal Antibody detects endogenous levels of protein.   |
| Formulation        | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.  |
| Source             | Polyclonal, Rabbit,IgG  |
| Purification       | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.   |
| Dilution           | WB 1:500-2000 ELISA 1:5000-20000  |
| Concentration      | 1 mg/ml   |
| Purity             | ≥90%  |
| Storage Stability  | -20°C/1 year  |
| Synonyms           |   |
| Observed Band      | 35kD  |
| Cell Pathway       | Cell membrane; Multi-pass membrane protein.   |
| Tissue Specificity |   |
| Function           | function:Odorant receptor .,polymorphism:A stop codon at position Trp-66 in the gene coding for this protein is responsible for functional diversity thus producing a pseudogene. The stop codon is more frequent in African-Americans than in non-Africans.,similarity:Belongs to the G-protein coupled receptor 1 family.,  |
| 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 |
|                    |   |

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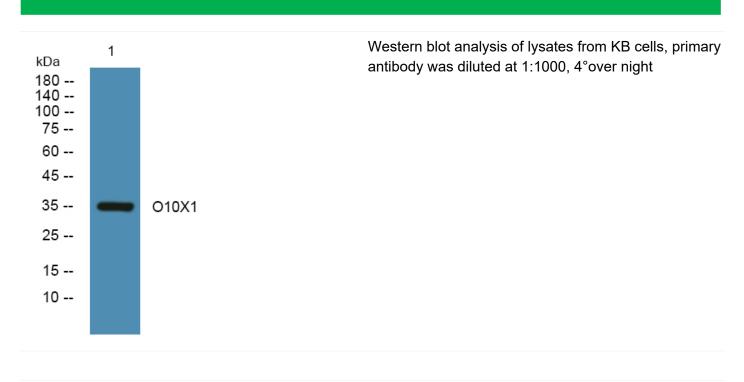


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|                           | the genome. The nomenclature assigned to the olfactory receptor genes and proteins for this organism is independent of other organisms. This olfactory receptor gene is a segregating pseudogene, where some individuals have an allele that encodes a functional olfactory receptor, while other individuals have an allele encoding a |
|---------------------------|---|
| matters needing attention | Avoid repeated freezing and thawing!  |
| Usage suggestions         | This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.   |





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