



Datasheet for ABIN953864  
**anti-OR4N4 antibody (N-Term)**



[Go to Product page](#)

2 Images

Overview

Quantity:	0.4 mL
Target:	OR4N4
Binding Specificity:	AA 75-105, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OR4N4 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 75-105 amino acids from the N-terminal region of human Olfactory receptor 4N4 Genename: OR4N4
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human Olfactory receptor 4N4 (N-term).
Purification:	Protein A column, followed by peptide affinity purification

Target Details

Target:	OR4N4
Alternative Name:	Olfactory Receptor 4N4 ( <a href="#">OR4N4 Products</a> )
Background:	Olfactory receptors interact with odorant molecules in the nose, to initiate a neuronal response

## Target Details

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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: OR4N4, Olfactory receptor OR15-1, Olfactory receptor OR15-5

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Molecular Weight: 35724 Da

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Gene ID: 283694

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NCBI Accession: [NP\\_001005241](#)

## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Concentration: 0.25 mg/mL

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Buffer: PBS containing 0.09 % (W/V) Sodium Azide as preservative

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Preservative: Sodium azide

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Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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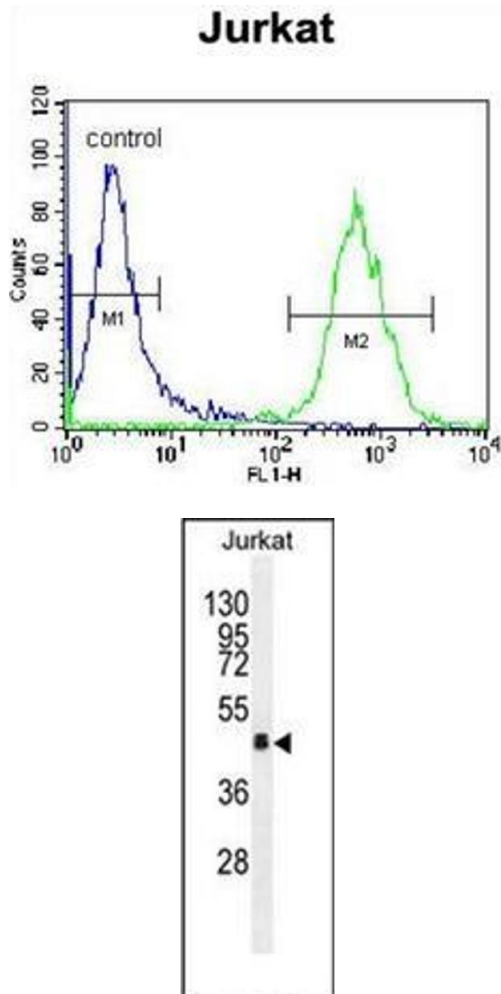
Handling Advice: Avoid repeated freezing and thawing.

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Storage: 4 °C/-20 °C

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Storage Comment: Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



### Flow Cytometry

**Image 1.** Flow cytometric analysis of Jurkat cells using OR4N4 Antibody (N-term) Cat.-No AP53065PU-N (right histogram) compared to a negative control cell (left histogram). FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.

### Western Blotting

**Image 2.** Western blot analysis of OR4N4 Antibody (N-term) in Jurkat cell line lysates (35ug/lane). This demonstrates the OR4N4 antibody detected the OR4N4 protein (arrow).