

Datasheet for ABIN953847
anti-OR2Z1 antibody (N-Term)

3 Images

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Overview

Quantity:	0.4 mL
Target:	OR2Z1
Binding Specificity:	AA 68-96, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OR2Z1 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 68-96 amino acids from the N-terminal region of Human Olfactory receptor 2Z1 Genename: OR2Z1
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human Olfactory receptor 2Z1 (N-term).
Purification:	Protein A column, followed by peptide affinity purification

Target Details

Target:	OR2Z1
Alternative Name:	Olfactory Receptor 2Z1 (OR2Z1 Products)

Target Details

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: OR2Z1, OR2Z2, Olfactory receptor OR19-4

Molecular Weight: 34444 Da

Gene ID: 284383

NCBI Accession: [NP_001004699](#)

Application Details

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

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

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

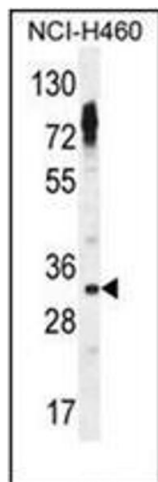
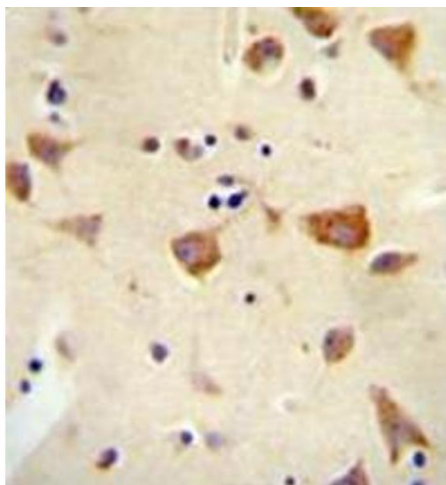
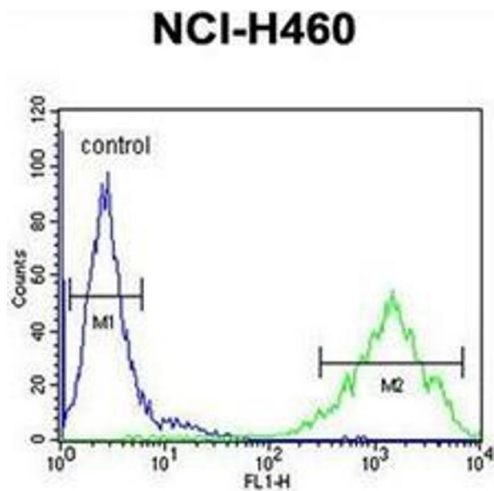
Preservative: Sodium azide

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

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

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 NCI-H460 cells using OR2Z1 Antibody (N-term) Cat.-No AP53045PU-N (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue reacted with OR2Z1 Antibody (N-term) followed which was peroxidase conjugated to the secondary antibody and followed by DAB staining. This data demonstrates the use of the OR2Z1 antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

Western Blotting

Image 3. Western blot analysis of OR2Z1 Antibody (N-term) in NCI-H460 cell line lysates (35ug/lane). This demonstrates the OR2Z1 antibody detected the OR2Z1 protein (arrow).