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Datasheet for ABIN5008033

anti-OR2A4 antibody (AA 260-271) (Alexa Fluor 680)

Overview

Quantity:	100 µL
Target:	OR2A4
Binding Specificity:	AA 260-271
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OR2A4 antibody is conjugated to Alexa Fluor 680
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human OR2A4
Isotype:	IgG
Predicted Reactivity:	Human,Dog
Purification:	Purified by Protein A.

Target Details

Target:	OR2A4
Alternative Name:	OR2A4 (OR2A4 Products)
Background:	Synonyms: Olfactory receptor 2A10, Olfactory receptor 2A4, Olfactory receptor family 2

Target Details

subfamily A member 10, Olfactory receptor family 2 subfamily A member 4, Olfactory receptor OR6-37, OR2A10, OR2A4, OR2A4_HUMAN

Background: Olfactory receptors interact with odorant molecules in the nose to initiate a neuronal response that leads to the perception of smell. While they share a seven transmembrane domain structure with many neurotransmitter and hormone receptors, olfactory receptors are responsible for the recognition and transduction of odorant signals. The olfactory receptor gene family is the largest in the genome. Both OR2A4 (olfactory receptor 2A4) and OR2A7 (olfactory receptor 2A7) are 310 amino acid multi-pass membrane proteins that belong to the G-protein coupled receptor 1 family. The gene that encodes OR2A4 maps to human chromosome 6q23, while the gene that encodes OR2A7 maps to human chromosome 7q35.

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

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

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months