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OR10J5 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11275b

Specification

OR10J5 Antibody (C-term) - Product Information

Application	**FC, WB,E**
Primary Accession	Q8NHC4
Other Accession	NP_001004469.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**34401**
Antigen Region	**243-270**

OR10J5 Antibody (C-term) - Additional Information

Gene ID 127385

Other Names
Olfactory receptor 10J5, Olfactory receptor OR1-28, OR10J5

Target/Specificity
This OR10J5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 243-270 amino acids from the C-terminal region of human OR10J5.

Dilution
FC~~1:10~50
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
OR10J5 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

OR10J5 Antibody (C-term) - Protein Information

Name OR10J5 (HGNC:14993)

Function Olfactory receptor. Activated by the synthetic floral odorant, lyral, and by alpha-cedrene, a sesquiterpene constituent of cedarwood oil. Its activation increases intracellular Ca(2+) (PubMed:25791473, PubMed:28842679). Acts as a key regulator of myogenesis through its actions on cell migration and adhesion by activating the Ca(2+)-dependent AKT signal transduction pathway (By similarity). Also acts as a regulator of angiogenesis (PubMed:25791473). Moreover, plays a role in the regulation of lipid accumulation in hepatocytes via the cAMP-PKA pathway (PubMed:28842679). May be involved in sperm chemotaxis and motility (By similarity).

Cellular Location
Cell membrane; Multi-pass membrane protein

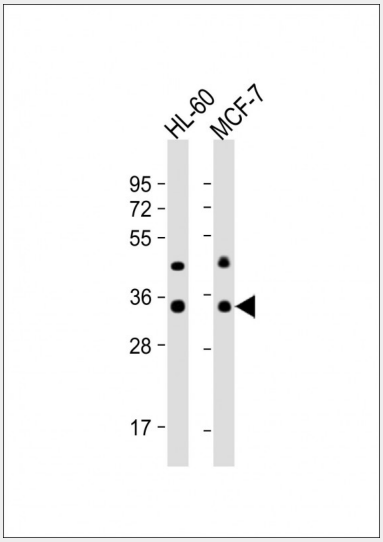
Tissue Location
Expressed in both the aorta, the coronary artery and umbilical vein endothelial cells (HUVECs) (at protein level)

OR10J5 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

OR10J5 Antibody (C-term) - Images



All lanes : Anti-OR10J5 Antibody (C-term) at 1:1000 dilution Lane 1: HL-60 whole cell lysate Lane 2: MCF-7 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 34 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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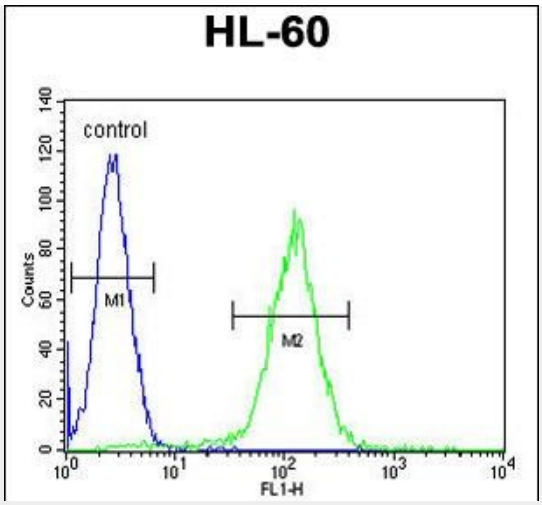

OR10J5 Antibody (C-term) (Cat. #AP11275b) flow cytometric analysis of HL-60 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

OR10J5 Antibody (C-term) - 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.

OR10J5 Antibody (C-term) - References

Yang, Q., et al. BMC Med. Genet. 8 SUPPL 1, S12 (2007) :
Malnic, B., et al. Proc. Natl. Acad. Sci. U.S.A. 101(8):2584-2589(2004)
Gilad, Y., et al. Am. J. Hum. Genet. 73(3):489-501(2003)