

OR10J5 Antibody (Extracellular Domain)
Rabbit Polyclonal Antibody
Catalog # ALS10630**Specification**

OR10J5 Antibody (Extracellular Domain) - Product Information

Application	IHC
Primary Accession	Q8NHC4
Reactivity	Human, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	34kDa KDa

OR10J5 Antibody (Extracellular Domain) - Additional Information**Gene ID** 127385**Other Names**

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

Target/Specificity

Human OR10J5. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except OR10J6P (63%).

Reconstitution & Storage

Long term: -70°C; Short term: +4°C

Precautions

OR10J5 Antibody (Extracellular Domain) is for research use only and not for use in diagnostic or therapeutic procedures.

OR10J5 Antibody (Extracellular Domain) - Protein Information**Name** OR10J5 ([HGNC:14993](#))**Function**

Olfactory receptor. Activated by the synthetic floral odorant, lylal, 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). Acts also 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)

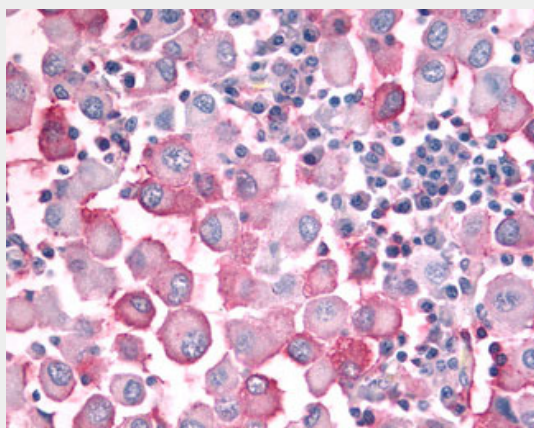
Volume

50 µl

OR10J5 Antibody (Extracellular Domain) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

OR10J5 Antibody (Extracellular Domain) - Images

Anti-OR10J5 antibody IHC of human Skin, Melanoma.

OR10J5 Antibody (Extracellular Domain) - Background

Odorant receptor.

OR10J5 Antibody (Extracellular Domain) - References

Suwa M., et al. Submitted (JUL-2001) to the EMBL/GenBank/DDBJ databases.
Gregory S.G., et al. Nature 441:315-321(2006).
Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Malnic B., et al. Proc. Natl. Acad. Sci. U.S.A. 101:2584-2589(2004).
Malnic B., et al. Proc. Natl. Acad. Sci. U.S.A. 101:7205-7205(2004).