



## Cellular Location

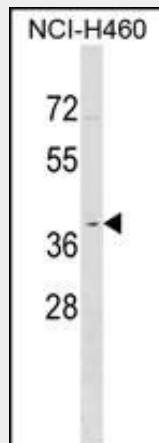
Cell membrane; Multi-pass membrane protein.

## OR2Y1 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 Cytometry](#)
- [Cell Culture](#)

## OR2Y1 Antibody (C-term) - Images



OR2Y1 Antibody (C-term) (Cat. #AP17842b) western blot analysis in NCI-H460 cell line lysates (35ug/lane). This demonstrates the OR2Y1 antibody detected the OR2Y1 protein (arrow).

## OR2Y1 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.

## OR2Y1 Antibody (C-term) - References

Johansson, A., et al. *Obesity (Silver Spring)* 18(4):803-808(2010)  
Malnic, B., et al. *Proc. Natl. Acad. Sci. U.S.A.* 101(8):2584-2589(2004)  
Fuchs, T., et al. *Genomics* 80(3):295-302(2002)