abcam

Product datasheet

Anti-OR1A1 antibody [EPR16433] ab193354

Recombinant RabMAb

3 Images

Overview

Product name	Anti-OR1A1 antibody [EPR16433]
Description	Rabbit monoclonal [EPR16433] to OR1A1
Host species	Rabbit
Tested applications	**Suitable for:** WB, IP
Species reactivity	**Reacts with:** Mouse, Rat, Human
Immunogen	Synthetic peptide within Human OR1A1 aa 1-100. The exact sequence is proprietary. Database link: **Q9P1Q5** Run BLAST with Run BLAST with
Positive control	Jurkat, MDA-MB-435, C6, PC-12, NIH/3T3 and 293 cell lysate.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.01% Sodium azide Constituents: 40% Glycerol, 59% PBS, 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal

Clone number	EPR16433
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab193354 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

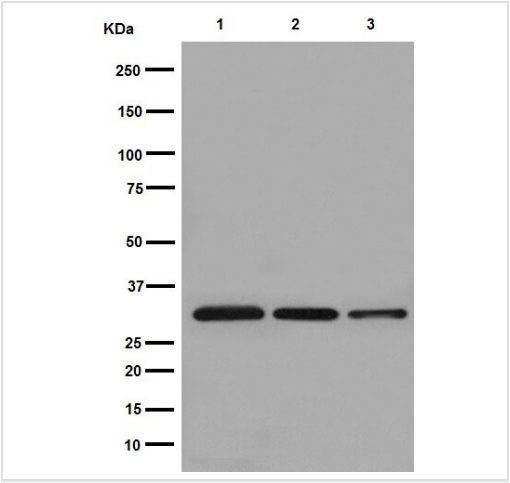
Application	Abreviews	Notes
WB		1/1000 - 1/20000. Predicted molecular weight: 35 kDa.
IP		1/20.

Target

Relevance OR1A1 belongs to the G protein coupled receptor 1 family and functions as an odorant receptor. 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.

Cellular localization Cell membrane; Multi pass membrane protein.

Images



Western blot - Anti-OR1A1 antibody [EPR16433] (ab193354)

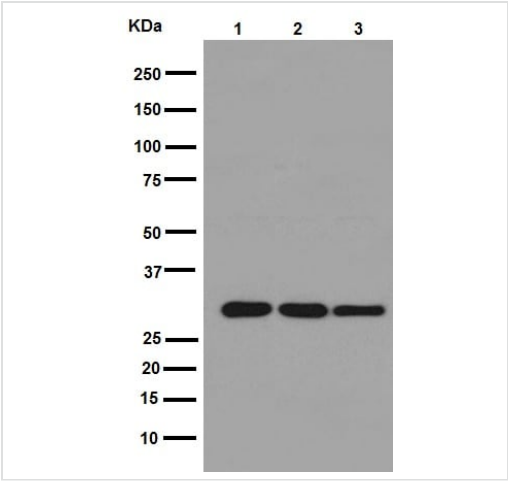
All lanes : Anti-OR1A1 antibody [EPR16433] (ab193354) at 1/20000 dilution

Lane 1 : Jurkat cell lysate
Lane 2 : MDA-MB-435 cell lysate
Lane 3 : 293 cell lysate

Lysates/proteins at 20 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 35 kDa



Western blot - Anti-OR1A1 antibody [EPR16433] (ab193354)

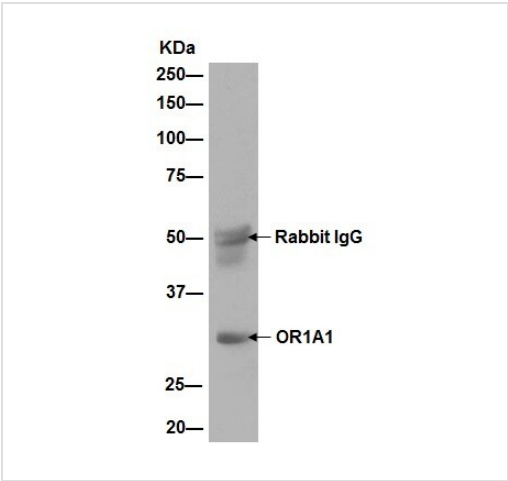
All lanes : Anti-OR1A1 antibody [EPR16433] (ab193354) at 1/1000 dilution

Lane 1 : C6 cell lysate
Lane 2 : PC-12 cell lysate
Lane 3 : NIH/3T3 cell lysate

Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 35 kDa



Immunoprecipitation - Anti-OR1A1 antibody [EPR16433] (ab193354)

Jurkat cell lysate was immunoprecipitated using ab193354 at a 1/20 dilution. Secondary used was a goat anti-rabbit IgG, (H+L), peroxidase conjugated, at a 1/1000 dilution.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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