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Datasheet for ABIN1392330

anti-TAS2R16 antibody (Alexa Fluor 647)

Overview

Quantity:	100 µL
Target:	TAS2R16
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TAS2R16 antibody is conjugated to Alexa Fluor 647
Application:	Western Blotting (WB)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human TAS2R16
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Purified by Protein A.

Target Details

Target:	TAS2R16
Alternative Name:	Tas2r16 (TAS2R16 Products)
Background:	<p>Synonyms: TAS2R-16, T2R16, Taste receptor type 2 member 16, T2R16_HUMAN.</p> <p>Background: T2R16 is a 291 amino acid multi-pass membrane protein that belongs to the G-protein coupled receptor T2R family. Acting in the oral cavity and the gastrointestinal tract, T2R16 is a gustducin-coupled receptor that is implicated in the perception of bitter compounds.</p>

Target Details

T2R16 mediates responses to certain taste through PLC 2, a phospholipase C selectively expressed in taste tissue, and the calcium-regulated cation channel TRPM5. Expressed in a subset of gustducin-positive taste receptor cells of the tongue and epithelia, T2R16 confers bitter perception of salicin to non-taster mice. The gene that encodes T2R16 consists of 996 bases and maps to human chromosome 7q31. Chromosome 7 houses over 1,000 genes, comprises nearly 5 % of the human genome and has been linked to Osteogenesis imperfecta, Pendred syndrome, Lissencephaly, Citrullinemia and Shwachman-Diamond syndrome. The Lys-172 polymorphism in T2R16 is associated with genetic susceptibility to alcoholism.

Application Details

Application Notes: IF(IHC-P) 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: Sodium azide

Precaution of Use: This product contains Sodium azide: 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