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Datasheet for ABIN1410224  
**anti-TAS2R16 antibody (AA 147-182) (HRP)**

### Overview

Quantity:	100 µL
Target:	TAS2R16
Binding Specificity:	AA 147-182
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TAS2R16 antibody is conjugated to HRP
Application:	Western Blotting (WB), ELISA

### 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 ( <a href="#">TAS2R16 Products</a> )
Background:	Synonyms: TAS2R-16, T2R16, Taste receptor type 2 member 16, T2R16_HUMAN. Background: T2R16 is a 291 amino acid multi-pass membrane protein that belongs to the G-

## Target Details

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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. 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

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Application Notes:	WB 1:300-5000
Restrictions:	For Research Use only

## Handling

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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:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Handling Advice:	Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months