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## anti-TAS2R16 antibody (AA 147-182)



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Quantity:	100 μL
Target:	TAS2R16
Binding Specificity:	AA 147-182
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TAS2R16 antibody is un-conjugated
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 (TAS2R16 Products)
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-

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**

Application Notes:	WB 1:300-5000
	ELISA 1:500-1000

For Research Use only

### Handling

Restrictions:

Format:	Liquid	
Concentration:	1 μg/μL	
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % 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.	
Storage:	4 °C,-20 °C	
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.	
Expiry Date:	12 months	