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## Product Information

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|---------------------|----------|----------------------|--------|--------------------|-------------|
| <b>Product SKU:</b> | CAB15087 | <b>Gene ID:</b>      | 5726   | <b>Size:</b>       | 20uL, 100uL |
| <b>Clone No:</b>    | -        | <b>Host Species:</b> | Rabbit | <b>Reactivity:</b> | Rat         |

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## Additional Information

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| <b>Observed MW:</b>   | 38kDa | <b>Conjugate:</b> | Unconjugated |
| <b>Calculated MW:</b> | 38kDa | <b>Isotype:</b>   | IgG          |

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## Immunogen Information

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|------------------------------|---|
| <b>Background:</b>           | This gene encodes a seven-transmembrane G protein-coupled receptor that controls the ability to taste glucosinolates, a family of bitter-tasting compounds found in plants of the Brassica sp. Synthetic compounds phenylthiocarbamide (PTC) and 6-n-propylthiouracil (PROP) have been identified as ligands for this receptor and have been used to test the genetic diversity of this gene. Although several allelic forms of this gene have been identified worldwide, there are two predominant common forms (taster and non-taster) found outside of Africa. These alleles differ at three nucleotide positions resulting in amino acid changes in the protein (A49P, A262V, and V296I) with the amino acid combination PAV identifying the taster variant (and AVI identifying the non-taster variant). |
| <b>Recommended Dilution:</b> | WB, 1:500 - 1:2000  |
| <b>Synonyms:</b>             | PTC; T2R38; T2R61; THIOT; TAS2R38   |
| <b>Purification Method:</b>  | Affinity purification   |
| <b>Immunogen:</b>            | A synthetic peptide corresponding to a sequence within amino acids 150-250 of human TAS2R38 (NP_789787.4).  |
| <b>Storage:</b>              | Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH 7.3.  |