

T2R1 (D45) polyclonal antibody

Catalog: BS2964

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

The sense of taste is essential for the survival of organisms. For example, the ability to identify sweet-tasting foods enables animals to seek out food with high nutritive value, whereas the ability to identify bitter substances enables them to avoid the ingestion of potentially harmful substances. A family of integral membrane proteins are involved in taste perception and include T1R, which is involved in sweet taste perception and T2R, which is involved in bitter taste perception. Both types of taste receptors couple to various G proteins to initiate signal transduction cascades. Specifically, T2R1 is expressed in subsets of taste receptor cells of the tongue and palate epithelium and exclusively in gustducin-positive cells.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 33 kDa

Swiss-Prot:

Q9NYW7

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IF: 1:50~1:200

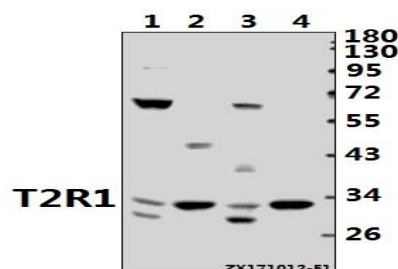
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

T2R1 (D45) polyclonal antibody detects endogenous levels of T2R1 protein.

DATA:



Western blot (WB) analysis of T2R1 (D45) pAb at 1:500 dilution

Lane1:K562 whole cell lysate(40ug)

Lane2:MEF whole cell lysate(40ug)

Lane3:HEK293T whole cell lysate(40ug)

Lane4:C6 whole cell lysate(40ug)

Note:

For research use only, not for use in diagnostic procedure.

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