



[Go to Product page](#)

Datasheet for ABIN1410237  
**anti-RTP3 antibody (AA 21-120) (Cy3)**

### Overview

|                      |  |
|----------------------|--|
| Quantity:            | 100 µL                                       |
| Target:              | RTP3   |
| Binding Specificity: | AA 21-120                                    |
| Reactivity:          | Human  |
| Host:                | Rabbit                                       |
| Clonality:           | Polyclonal                                   |
| Conjugate:           | This RTP3 antibody is conjugated to Cy3      |
| Application:         | Western Blotting (WB), Flow Cytometry (FACS) |

### Product Details

|                       |  |
|-----------------------|--|
| Immunogen:            | KLH conjugated synthetic peptide derived from human RTP3 |
| Isotype:              | IgG  |
| Cross-Reactivity:     | Human  |
| Predicted Reactivity: | Mouse  |
| Purification:         | Purified by Protein A.                                   |

### Target Details

|                   |   |
|-------------------|---|
| Target:           | RTP3  |
| Alternative Name: | RTP3 ( <a href="#">RTP3 Products</a> )  |
| Background:       | Synonyms: LTM1, Receptor chemosensory transporter protein 3, Receptor transporter protein |

## Target Details

---

3, Receptor-transporting protein 3, RTP3, RTP3\_HUMAN, TMEM7, Transmembrane protein 7.

Background: Members of the RTP (receptor transporter proteins) family have recently been discovered to influence bitter taste receptor expression in addition to inducing the expression of mammalian odorant receptors. RTP3 is a 232 amino acid single-pass type III membrane protein belonging to the TMEM7 family. Unlike other RTP proteins, RTP3 is not expressed in olfactory neurons but is expressed predominantly in liver. RTP3 is involved in the functional expression of bitter taste receptors and suppresses cell proliferation, and is also found in human circumvallate papillae and testis (regions where bitter taste receptors are expressed). The gene encoding RTP3 maps to human chromosome 3p21.31 within C3CER1 (chromosome 3 common eliminated region 1), which is frequently eliminated in chromosomal deletions of solid tumors.

## Application Details

---

|                    |                       |
|--------------------|-----------------------|
| Application Notes: | FCM 1:20-100          |
| 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:      | ProClin  |
| Precaution of Use: | This product contains ProClin: 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  |