



[Go to Product page](#)

Datasheet for ABIN1394562  
**anti-CHRM4 antibody (AA 1-31) (AbBy Fluor® 647)**

### Overview

|                      |  |
|----------------------|--|
| Quantity:            | 100 µL   |
| Target:              | CHRM4  |
| Binding Specificity: | AA 1-31  |
| Reactivity:          | Human  |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This CHRM4 antibody is conjugated to AbBy Fluor® 647   |
| Application:         | Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

### Product Details

|                       |  |
|-----------------------|--|
| Immunogen:            | KLH conjugated synthetic peptide derived from human CHRM4/mAChR M4 |
| Isotype:              | IgG  |
| Cross-Reactivity:     | Human  |
| Predicted Reactivity: | Mouse,Rat,Rabbit   |
| Purification:         | Purified by Protein A.   |

### Target Details

|                   |   |
|-------------------|---|
| Target:           | CHRM4   |
| Alternative Name: | CHRM4/mAChR M4 ( <a href="#">CHRM4 Products</a> ) |

## Target Details

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|             |   |
|-------------|---|
| Background: | Synonyms: HM4, M4R, Muscarinic acetylcholine receptor M4, CHRM4<br>Background: The muscarinic acetylcholine receptor mediates various cellular responses, including inhibition of adenylate cyclase, breakdown of phosphoinositides and modulation of potassium channels through the action of G proteins. Primary transducing effect is inhibition of adenylate cyclase. |
| Gene ID:    | 1132  |
| UniProt:    | <a href="#">P08173</a>  |
| Pathways:   | <a href="#">cAMP Metabolic Process</a> , <a href="#">Inositol Metabolic Process</a> , <a href="#">Synaptic Membrane</a>   |

## Application Details

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|                    |  |
|--------------------|--|
| Application Notes: | FCM 1:20-100<br>IF(IHC-P) 1:50-200<br>IF(IHC-F) 1:50-200<br>IF(ICC) 1:50-200 |
| 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. |
| Storage:           | -20 °C   |
| Storage Comment:   | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.                                  |
| Expiry Date:       | 12 months  |