

[Go to Product page](#)

Datasheet for ABIN5007048

anti-MS4A2 antibody (AA 51-150) (Alexa Fluor 750)

Overview

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| Quantity: | 100 µL |
| Target: | MS4A2 |
| Binding Specificity: | AA 51-150 |
| Reactivity: | Human, Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This MS4A2 antibody is conjugated to Alexa Fluor 750 |
| Application: | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

Product Details

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| Immunogen: | KLH conjugated synthetic peptide derived from rat MS4A2 |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse |
| Predicted Reactivity: | Rat |
| Purification: | Purified by Protein A. |

Target Details

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|-------------------|--|
| Target: | MS4A2 |
| Alternative Name: | MS4A2 (MS4A2 Products) |

Target Details

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| Background: | <p>Synonyms: FCIGA, Ms4a1, Fcer1b, High affinity immunoglobulin epsilon receptor subunit beta, FcERI, Fc epsilon receptor I beta-chain, IgE Fc receptor subunit beta, Membrane-spanning 4-domains subfamily A member 2, Ms4a2, Fce1b</p> <p>Background: High affinity receptor that binds to the Fc region of immunoglobulins epsilon. Aggregation of FCER1 by multivalent antigens is required for the full mast cell response, including the release of preformed mediators (such as histamine) by degranulation and de novo production of lipid mediators and cytokines. Also mediates the secretion of important lymphokines. Binding of allergen to receptor-bound IgE leads to cell activation and the release of mediators responsible for the manifestations of allergy.</p> |
| Gene ID: | 25316 |
| UniProt: | P13386 |
| Pathways: | Fc-epsilon Receptor Signaling Pathway , Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process |

Application Details

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|--------------------|---|
| Application Notes: | <p>IF(IHC-P) 1:50-200</p> <p>IF(IHC-F) 1:50-200</p> <p>IF(ICC) 1:50-200</p> |
| 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 |