

Datasheet for ABIN7155184
anti-MS4A2 antibody (AA 1-59)



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3 Images

Overview

Quantity:	100 µg
Target:	MS4A2
Binding Specificity:	AA 1-59
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MS4A2 antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF), Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human High affinity immunoglobulin epsilon receptor subunit beta protein (1-59AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	MS4A2
Alternative Name:	MS4A2 (MS4A2 Products)
Background:	Background: High affinity receptor that binds to the Fc region of immunoglobulins epsilon.

Target Details

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.

Aliases: APY antibody, ATOPY antibody, Fc epsilon receptor I beta-chain antibody, Fc IgE receptor beta chain antibody, FCER1B antibody, FCERB_HUMAN antibody, FcERI antibody, High affinity immunoglobulin epsilon receptor subunit beta antibody, IgE Fc receptor subunit beta antibody, IGEL antibody, IGHHER antibody, Membrane-spanning 4-domains subfamily A member 2 antibody, MS4A1 antibody, Ms4a2 antibody

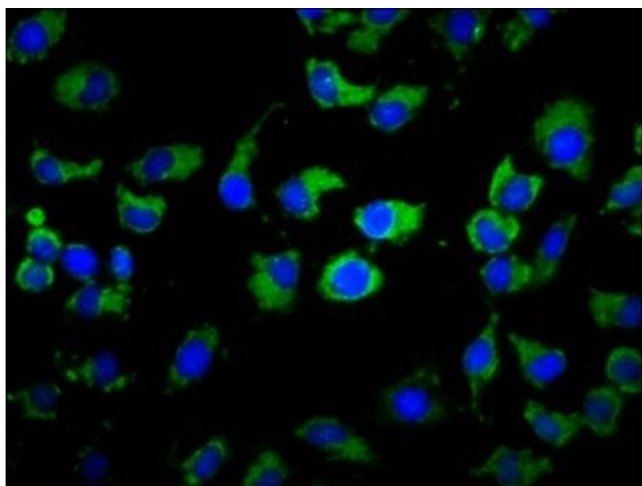
UniProt:	Q01362
Pathways:	Fc-epsilon Receptor Signaling Pathway , Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process

Application Details

Application Notes:	Recommended dilution: IHC:1:200-1:500, IF:1:50-1:200,
Restrictions:	For Research Use only

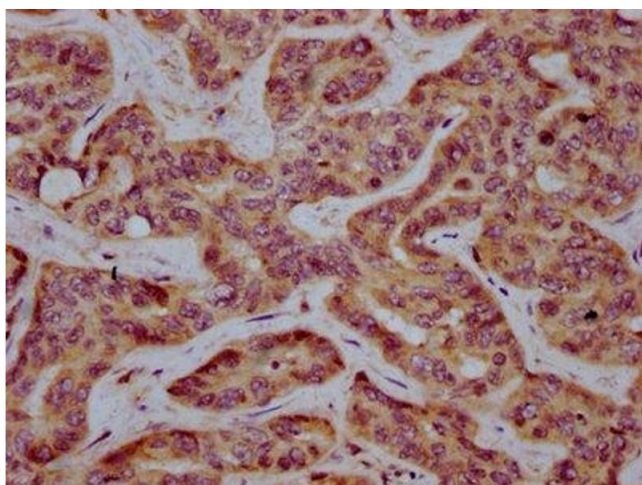
Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
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,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



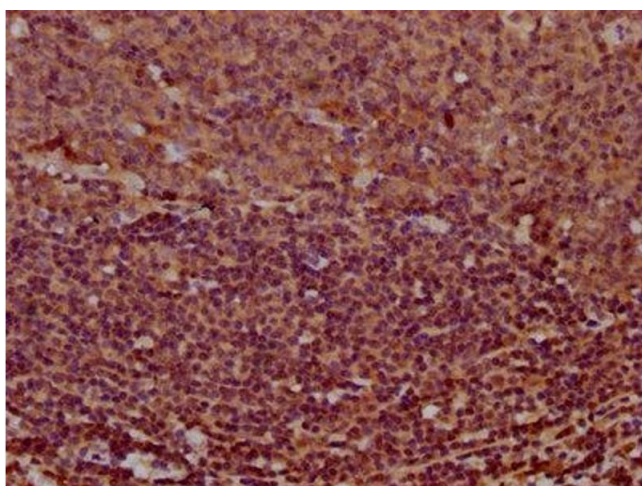
Immunofluorescence

Image 1. Immunofluorescence staining of A549 cells with ABIN7155184 at 1:133, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemistry

Image 2. IHC image of ABIN7155184 diluted at 1:400 and staining in paraffin-embedded human liver cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Immunohistochemistry

Image 3. IHC image of ABIN7155184 diluted at 1:400 and staining in paraffin-embedded human tonsil tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.