

Product Datasheet

MRGX2 Antibody NB110-75035

Unit Size: 0.1 ml

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

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NB110-75035

MRGX2 Antibody

Product Information	
Unit Size	0.1 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Reconstitution Instructions	Reconstitute in 0.1 ml of sterile water. Centrifuge to remove any insoluble material. Glycerol may be added (1:1) for additional stability. Please note the sample size is provided in reconstituted format.
Isotype	IgG
Purity	Unpurified
Buffer	Lyophilized from whole antisera

Product Description	
Host	Rabbit
Gene ID	117194
Gene Symbol	MRGPRX2
Species	Human, Mouse, Hamster (Negative)
Reactivity Notes	Mouse reactivity reported in (PMID: 34008339).
Immunogen	A synthetic peptide from the 4th cytoplasmic loop of human MRGX2 conjugated to blue carrier protein was used as the antigen.

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Knockdown Validated, Single Cell Western
Recommended Dilutions	Western Blot 1:200-1:2000, Immunohistochemistry 1:200-1:2000, Immunocytochemistry/ Immunofluorescence, Single Cell Western, Knockdown Validated
Application Notes	Use in ICC/IF reported in scientific publication (PMID: 32391014). Flow, WB, KD reactivity reported in scientific thesis.



Publications

Sun X, Lv W, Wang Y et al. Mrgprb2 gene plays a role in the anaphylactoid reactions induced by Houlttuynia cordata injection Journal of ethnopharmacology 2022-01-29 [PMID: 35104575] (WB, Mouse)

Widner DB, Liu C, Zhao Q et al. Activated mast cells in skeletal muscle can be a potential mediator for cancer-associated cachexia Journal of cachexia, sarcopenia and muscle 2021-05-18 [PMID: 34008339] (WB, Mouse)

Callahan BN, Kammala AK, Syed M et al. Osthole, a Natural Plant Derivative Inhibits MRGPRX2 Induced Mast Cell Responses Front Immunol 2020-04-24 [PMID: 32391014] (ICC/IF, Human)

Details:

Confocal microscopy

Alkanfari IS The Role of MRGPRX2/Mrgprb2 in Regulating Mast Cell Function Thesis (WB, FLOW, KD, Human, Mouse)

Alkanfari, I;Freeman, KB;Roy, S;Jahan, T;Scott, RW;Ali, H; Small-Molecule Host-Defense Peptide Mimetic Antibacterial and Antifungal Agents Activate Human and Mouse Mast Cells via Mas-Related GPCRs Cells 2019-04-03 [PMID: 30987258] (WB, Human)

Roy S, Ganguly A, Haque M, Ali H. Angiogenic Host Defense Peptide AG-30/5C and Bradykinin B2 Receptor Antagonist Icatibant Are G Protein Biased Agonists for MRGPRX2 in Mast Cells. J. Immunol. 2019-01-16 [PMID: 30651343] (WB, Human)

Idahosa, CN The Mast Cell Receptor Mas-Related Gene X2 (MrgX2) in Health and Disease. Thesis. 2015-11-01 (ICC/IF, IHC-P, Human)

Subramanian H, Gupta K, Lee D et al. beta-Defensins Activate Human Mast Cells via Mas-Related Gene X2. J Immunol 2013-07-01 [PMID: 23698749] (WB, Human)





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Products Related to NB110-75035

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-33744PEP	MRGX2 Recombinant Protein Antigen

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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