Mcpt4 antibody / Mast cell protease 4 (R36503)

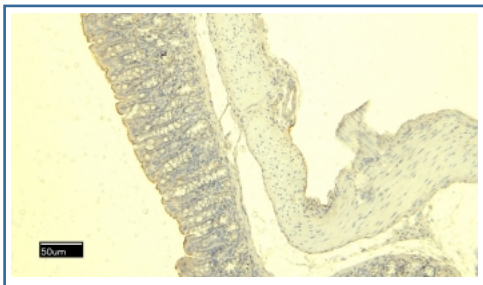
Catalog No.	Formulation	Size
R36503-100UG	0.5 mg/ml in 1X TBS, pH7.3, with 0.5% BSA (US sourced) and 0.02% sodium azide	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse
Format	Antigen affinity purified
Host	Goat
Clonality	Polyclonal (goat origin)
Isotype	Goat Ig
Purity	Antigen affinity
UniProt	P21812
Applications	Immunohistochemistry (FFPE) : 8ug/ml ELISA (peptide) LOD : 1:2000
Limitations	This Mcpt4 antibody is available for research use only.



IHC staining of FFPE mouse intestine tissue with Mcpt4 antibody at 8ug/ml. Required HIER: steamed antigen retrieval with pH6 citrate buffer; HRP-staining.



Negative control: IHC staining of FFPE mouse intestine tissue without primary antibody. Required HIER: steamed antigen retrieval with pH6 citrate buffer; HRP-staining.

Description

Mcpt4 (Mast cell protease 4) is a protease enzyme that is predominantly found in mast cells, which are a type of white blood cell involved in the immune response. Proteases are enzymes that break down proteins into smaller peptides, and Mcpt4 is specifically known for its role in regulating inflammation and immune responses. Studies have shown that Mcpt4 can target a variety of proteins involved in the immune response, making it a key player in the body's defense against pathogens. One of the main functions of Mcpt4 is to regulate the release of pro-inflammatory mediators in the body. By targeting specific proteins involved in the immune response, Mcpt4 can help to modulate the body's inflammatory response, preventing excessive inflammation and tissue damage. In addition, Mcpt4 has also been shown to play a role in the activation of other immune cells, such as T cells and dendritic cells, further enhancing the body's ability to fight off pathogens and allergens. Due to its wide range of functions in the immune response, Mcpt4 has been implicated in a number of diseases: dysregulation of Mcpt4 levels has been linked to inflammatory disorders such as asthma, rheumatoid arthritis, and inflammatory bowel disease.

Application Notes

Optimal dilution of the Mcpt4 antibody should be determined by the researcher.

Immunogen

Amino acids KLQKKAKETPSVN were used as the immunogen for this Mcpt4 antibody.

Storage

Aliquot and store the Mcpt4 antibody at -20oC.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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