bs-2353R **[Primary Antibody]**

CMA1 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 1215 **SWISS:** P23946

Target: CMA1

Immunogen: KLH conjugated synthetic peptide derived from human CMA1: 28-42/247.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Mast cells contain a number of preformed chemicals mediators such as histamine, chymase, carboxypeptidase and proteolytic tryptase. Human Mast Cell Chymase is considered to be an important marker of mast cells as well as an important mediator of inflammation.

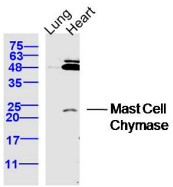
Applications: **WB** (1:500-2000)

Reactivity: Human, Mouse, Rat (predicted: Sheep, GuineaPig)

Predicted MW.: 25 kDa

Subcellular Location: Secreted ,Cytoplasm

VALIDATION IMAGES



Sample: Lung (Mouse) Lysate at 40 ug Heart (Rat) Lysate at 40 ug Primary: Anti- Mast Cell Chymase (bs-2353R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 25 kD Observed band size: 23 kD

SELECTED CITATIONS

- **[IF=16.6]** Renga Giorgia. et al. Bridging of host-microbiota tryptophan partitioning by the serotonin pathway in fungal pneumonia. NAT COMMUN. 2023 Sep;14(1):1-21 IF ;Mouse. 37717018
- **[IF=11.33]** Moretti, Silvia, et al. "A mast cell-ILC2-Th9 pathway promotes lung inflammation in cystic fibrosis." Nature Communications 8 (2017): 14017. IHC ;="Mouse". 28090087
- **[IF=3.73]** Wang H, Jessup JA, Zhao Z, Da Silva J, Lin M, et al. (2013) Characterization of the Cardiac Renin Angiotensin System in Oophorectomized and Estrogen-Replete mRen2.Lewis Rats. PLoS ONE 8(10):e76992. WB ;="Rat". 24204720
- **[IF=3.73]** Zheng J, Wei C-C, Hase N, Shi K, Killingsworth CR, et al. (2014) Chymase Mediates Injury and Mitochondrial Damage in Cardiomyocytes during Acute Ischemia/Reperfusion in the Dog. PLoS ONE 9(4): e94732. IHC ;="Dog". 24733352
- **[IF=3.23]** Sansoè, Giovanni, et al. "Role of Chymase in the Development of Liver Cirrhosis and Its Complications: Experimental and Human Data." PLOS ONE11.9 (2016): e0162644. IHC ;="Human, Rat". 27637026