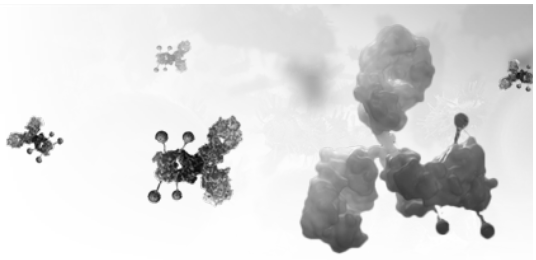

Rabbit Anti-TPSB2 monoclonal antibody, clone TD79-18 (CABT-L706)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	Mast Cell Tryptase
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	TD79-18
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, IHC, IP
Molecular Weight	30 kDa
Cellular Localization	Secreted.
Positive Control	Human skin tissue, human tonsil tissue, human lung tissue, mouse lung tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction	Mast cells are connective tissue cells derived from blood-forming tissues that line arterial walls and secrete substances, which mediate inflammatory and immune responses. Mast cell chymase, known as CMA1, is a major secreted serine protease that is involved in vasoactive peptide generation, extracellular matrix degradation and regulation of gland secretion. The human chymase gene, which maps to human chromosome 14q11.2, encodes a preproenzyme with a 19-amino acid signal peptide, an acidic 2-amino acid propeptide and a 226-amino acid catalytic domain. Tryptases comprise a family of trypsin-like serine proteases that are enzymatically active as heparin-stabilized tetramers. There are four functional genes for tryptase: α I, β I, β II and γ I, which map to human chromosome 16p13.3, with β tryptases representing the main isoenzymes expressed in mast cells. Mast cell proteases are a family of rodent protein homologs to human tryptases that are specifically expressed in mast cells and may serve as highly specific markers in the analysis of mast cell heterogeneity, differentiation and function.
Keywords	alpha II;Lung tryptase;Mast cell alpha II tryptase;Mast cell beta I tryptase;Mast cell protease 7;Mast cell protease II;MCP 7;Pituitary tryptase;Skin tryptase;TPS 1;TPS1;TPS2;TPSAB1;TPSAB1 protein;TPSB1;Tryptase 1;Tryptase alpha 1;tryptase alpha I included;Tryptase alpha II;tryptase alpha II included;tryptase alpha included;tryptase alpha/beta 1;Tryptase beta 1;tryptase beta I included;Tryptase I;tryptase I included;Tryptase III;Tryptase skin antibody

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