

Datasheet for ABIN5647716

anti-Mast Cell Tryptase antibody[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	Mast Cell Tryptase
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Western Blotting (WB), ELISA

Product Details

Immunogen:	Amino acids H65-P275 from the human protein were used as the immunogen for the Mast Cell Tryptase antibody.
Isotype:	IgG
Purification:	Antigen affinity purified

Target Details

Target:	Mast Cell Tryptase
Abstract:	Mast Cell Tryptase Products
Background:	Tryptase alpha-1 and tryptase beta-1 are enzymes that in humans are encoded by the same TPSAB1 gene. Tryptases comprise a family of trypsin-like serine proteases, the peptidase family S1. Tryptases are enzymatically active only as heparin-stabilized tetramers, and they are resistant to all known endogenous proteinase inhibitors. Several tryptase genes are clustered on chromosome 16p13.3. These genes are characterized by several distinct features. They

Target Details

have a highly conserved 3' UTR and contain tandem repeat sequences at the 5' flank and 3' UTR which are thought to play a role in regulation of the mRNA stability. In addition, these genes have an intron immediately upstream of the initiator Met codon, which separates the site of transcription initiation from protein coding sequence. This feature is characteristic of tryptases but is unusual in other genes. The alleles of this gene exhibit an unusual amount of sequence variation, such that the alleles were once thought to represent two separate genes, alpha and beta 1. Beta tryptases appear to be the main isoenzymes expressed in mast cells, whereas in basophils, alpha tryptases predominate. Tryptases have been implicated as mediators in the pathogenesis of asthma and other allergic and inflammatory disorders.

UniProt: [Q15661](#)

Application Details

Application Notes: Western blot: 0.5-1 µg/mL, IHC (FFPE): 1-2 µg/mL, ELISA: 0.1-0.5 µg/mL (human protein tested), request BSA-free format for coating

Restrictions: For Research Use only

Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage: -20 °C

Storage Comment: Prior to reconstitution, store at 4°C. After reconstitution, the Mast Cell Tryptase antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.



Western Blotting

Image 1. Western blot testing of human HEK293 cell lysate with Mast Cell Tryptase antibody at 0.5ug/ml. Expected molecular weight ~30 kDa.