

Product datasheet for AM26406PU-L

OriGene Technologies, Inc.

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alpha 1 Antichymotrypsin (SERPINA3) Mouse Monoclonal Antibody [Clone ID: B2B3]

Product data:

Product Type: Primary Antibodies

Clone Name: B2B3
Applications: WB

Recommended Dilution: Western blot.

Reactivity: Human
Host: Mouse
Isotype: IgG1

Clonality: Monoclonal

Immunogen: Human serum derived a1- antichymotrypsin

Specificity: This antibody recognizes native a1- antichymotrypsin.

Formulation: 0.01M PBS pH7.2

State: Lyophilized Ig fraction

Reconstitution Method: Double distillated water is recommended to reconstitute the antibody.

Purification: Protein G affinity purified

Conjugation: Unconjugated

Storage: Store at -20 °C. Avoid repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

Gene Name: serpin family A member 3

Database Link: Entrez Gene 12 Human

P01011





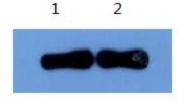
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Background:

Chymotrypsins, such as Chymotrypsin C (also known as pancreatic Chymotrypsin or Chymotrypsin), are digestive enzymes that can perform proteolysis by cleaving peptides at the carboxyl side of tyrosine, tryptophan and phenylalanine, although over time they can also hydrolyze other amide bonds, especially those with leucine-donated carboxyls. Chymotrypsins cleave peptide bonds by attacking the un-reactive carbonyl group with a powerful nucleophile, the Serine 195 residue located in the active site of the enzyme, which momentarily becomes covalently bonded to the substrate to form an intermediate. Chymotrypsin C is synthesized in the pancreas by protein biosynthesis as a precursor called chymotrypsinogen that is enzymatically inactive, but becomes active as a three polypeptide molecule that is interconnected by disulfide bonds.

Synonyms: SERPINA3, AACT, GIG24, GIG25

Product images:



Detect alpha1 antichymotrypsin using antibody B2B3 at 1:5000 (0.2ug/ml) dilution.

1&2 : α1-antichymotrypsin (α1 ACT) 20ng/well