

Rabbit Anti-Trypsin Inhibitor/AP Conjugated antibody

SL11177R-AP

Product Name	Anti-Trypsin Inhibitor/AP
Chinese Name	碱性磷酸酶（AP）标记的胰蛋白酶抑制剂抗体
Alias	Peptidase inhibitor 15; PI-15; 25 kDa trypsin inhibitor; p25TI; Cysteine-rich secretory protein 8; CRISP-8; SugarCrisp; PI15_HUMAN.
Research Area	Cell biology immunology
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human(predicted:Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Sheep) IHC-P=1:100-500,IHC-F=1:100-500
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	23kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human Trypsin Inhibitor
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Storage	
Product Detail	background: Cysteine-rich secretory proteins (CRISPs) represent a family of evolutionarily conserved proteins which play a role in the innate immune system and are transcriptionally regulated by androgens in several tissues. CRISP-8 (Cysteine-rich secretory protein 8), also known as PI15 (Peptidase inhibitor 15), P25TI or SugarCrisp, is a 258 amino acid secreted protein that belongs to

the CRISP family. Expressed at low levels in thyroid, prostate, salivary and mammary tissue, CRISP-8 functions as a serine protease inhibitor that exhibits weak inhibitory action against Trypsin, a serine protease found in the digestive system. In addition to its role as a protease inhibitor, CRISP-8 is secreted in neuroblastoma and glioblastoma cell lines, suggesting a role for CRISP-8 in tumor formation and metastasis within the central nervous system.

Function:

The soybean trypsin inhibitor was first crystallized by Kunitz in 1945 and is Serine protease inhibitor which displays weak inhibitory activity against trypsin.

Subcellular Location:

Secreted.

Tissue Specificity:

Weakly expressed. Expressed at low level in prostate, mammary gland, salivary gland and thyroid gland.

Post-translational modifications:

N-glycosylated (Probable).

Similarity:

Belongs to the CRISP family.

Database links:

UniProtKB/Swiss-Prot: O43692.1

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.