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PI-15 Rabbit pAb

Catalog # AP98869

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	O43692
Other Accession	O43692
Reactivity	Human
Predicted	Rat, Pig, Mouse, Chicken, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	29065
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PI-15
Epitope Specificity	101-200/258
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the CRISP family.
Post-translational modifications	N-glycosylated (Probable).
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	51050
Other Names	CRISP8; P24TI; P25TI; PI-15; SugarCrisp; PI15_HUMAN; PI15; 25 kDa trypsin inhibitor (p25TI); Cysteine-rich secretory protein 8 (CRISP-8); PI15_MOUSE; peptidase inhibitor 15; protease inhibitor 15
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	PI15
Synonyms	CRISP8, P25TI
Function	Serine protease inhibitor which displays weak inhibitory activity against trypsin (PubMed:8882727). May play a role in facial patterning during embryonic development (By similarity).
Cellular Location	Secreted.
Tissue Location	Weakly expressed. Expressed at low level in prostate, mammary gland, salivary gland and thyroid gland

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.