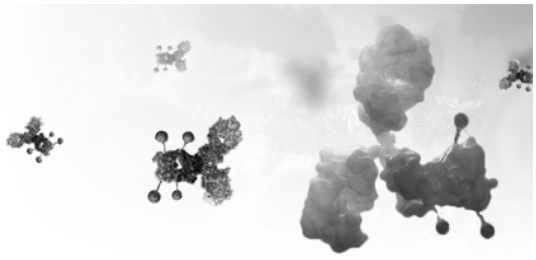

Anti-COL1A1 polyclonal antibody (CPBT-67318RD)

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

PRODUCT INFORMATION

Product Overview	Rabbit anti Dog collagen 1/III polyclonal antibody is specific for dog collagen types I and III. Type I collagen is a fibril-forming collagen found in most connective tissues and is abundant in tendons, skin, artery walls and scar tissue. Rabbit anti Dog collagen I/III also recognises collagen type III, a fibrillar collagen that is found in extendable connective tissues such as skin, lung, uterus, intestine and the vascular system and is produced by immature fibroblasts before the tougher type I. Rabbit anti Dog collagen I/III shows strong reactivity with both collagens I and III whilst demonstrating low reactivity with other canine collagens and serum proteins Dog collagen type I 100% Dog collagen type III 100% Dog collagen type II;3.0% Dog collagen type IV;1.0% Dog collagen type V;1.0% Dog albumin 0.5% Dog fibronectin 0.5% Dog immunoglobulins 0.5% Rabbit anti Dog collagen I/III also reacts with the heat denatured form of collagen I and III but does not cross-react with other dog plasma proteins.
Specificity	COLLAGEN I/III
Immunogen	Collagen I and III from dog tail tendon
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Dog
Conjugate	Unconjugated
Applications	IHC-Fr; ELISA
Format	Purified IgG - liquid
Size	500 µl

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221
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Preservative	0.09% Sodium Azide
Storage	in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	COL1A1 collagen, type I, alpha 1 [Canis lupus familiaris (dog)]
Official Symbol	COL1A1
Synonyms	COL1A1; collagen alpha-1(I) chain; alpha-1 type I collagen; type I collagen pre-pro-alpha1(I) chain; COLLAGEN I/III;
Entrez Gene ID	403651
Protein Refseq	NP_001003090
UniProt ID	O46392
Chromosome Location	chromosome: 9
Pathway	Amoebiasis; Assembly of collagen fibrils and other multimeric structures; Binding and Uptake of Ligands by Scavenger Receptors; Collagen biosynthesis and modifying enzymes; Collagen formation; ECM-receptor interaction; Extracellular matrix organization; Focal adhesion;
Function	extracellular matrix structural constituent; metal ion binding;

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