

# Collagen I $\alpha$ 1 (Cleaved-Ala1218) rabbit pAb

Cat No.:ES19972

For research use only

## Overview

Product Name	Collagen I $\alpha$ 1 (Cleaved-Ala1218) rabbit pAb
Host species	Rabbit
Applications	WB; ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	WB 1:1000-2000 ELISA 1:5000-20000
Immunogen	Synthesized peptide derived from human Collagen I $\alpha$ 1 (Cleaved-Ala1218)
Specificity	This antibody detects endogenous levels of Human,Mouse,Rat Collagen I $\alpha$ 1 (Cleaved-Ala1218, protein was cleaved amino acid sequence between 1218-1219 )
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C . Avoid repeated freeze-thaw cycles.
Protein Name	Collagen I $\alpha$ 1 (Cleaved-Ala1218)
Gene Name	COL1A1
Cellular localization	Secreted, extracellular space, extracellular matrix .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	135 160kD
Human Gene ID	1277
Human Swiss-Prot Number	P02452
Alternative Names	Collagen alpha-1(I) chain (Alpha-1 type I collagen)
Background	This gene encodes the pro-alpha1 chains of type I collagen whose triple helix comprises two alpha1 chains and one alpha2 chain. Type I is a fibril-forming collagen found in most connective tissues and is abundant in bone, cornea, dermis and tendon. Mutations in this gene are associated with osteogenesis imperfecta types I-IV, Ehlers-Danlos





syndrome type VIIA, Ehlers-Danlos syndrome Classical type, Caffey Disease and idiopathic osteoporosis. Reciprocal translocations between chromosomes 17 and 22, where this gene and the gene for platelet-derived growth factor beta are located, are associated with a particular type of skin tumor called dermatofibrosarcoma protuberans, resulting from unregulated expression of the growth factor. Two transcripts, resulting from the use of alternate polyadenylation signals, have been identified for this gene. [provided by R. Dalgleish, Feb 2008],

