



Mouse Anti-Sheep COL1A1 monoclonal antibody, clone SP1 (CABT-L7872)

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

PRODUCT INFORMATION

Immunogen	CNBr cleavage of pro-collagen type I from dermotosparactice sheep
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Avian, Bovine, Canine, Chicken, Chondrichthyes, Human, Mouse, Porcine, Rabbit, Rat, Sheep, Turtle, Xenopus, Zebrafish
Clone	SP1
Conjugate	Unconjugated
Applications	Suitable for use in ELISA, IHC, IF, and WB. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
Epitope	Amino propeptide amino acids 1-9 Epitope Location or Sequence: N-terminal residues in Type I collagen
Format	Supernatant
Buffer	Supernatant
Storage	Store at -20°C.
Ship	Wet ice

BACKGROUND

Introduction

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, EhlersDanlos syndrome Classical type, Caffey Disease and idiopathic osteoporosis. Reciprocal translocations between chromosomes 17 and 22, where this gene and the gene for plateletderived 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

Keywords

collagen, type I, alpha 1; collagen alpha-1(I) chain; OI4; collagen of skin, tendon and bone, alpha-1 chain; Alpha-1 type I collagen; pro-alpha-1 collagen type 1