

Cat. No:	AB-82138
Conjugate:	Unconjugated
Size:	100 ug
Clone:	POLY
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of mouse Collagen I, identical to the related rat sequence, and different from the related human sequence by two amino acids.
Reactivity:	Human, Mouse, Rat
Applications:	Western Blot: 1:500 -1:2000 Immunofluorescence: 1:50 - 1:200 Immunocytochemistry: 1:50 - 1:200 Immunohistochemistry: 1:50-1:200
Molecular Weight:	140kDa/220kDa
Purification:	Aff. Pur.
Synonyms:	COL1A1; EDSC; OI1; OI2; OI3; OI4
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.
Form:	Liquid
Buffer:	Each vial contains 4mg Trehalose, 0.9mg NaCl and 0.2mg Na ₂ HPO ₄ .
Storage:	Store at -20°C. Avoid freeze / thaw cycles.

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