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Datasheet for ABIN6138849
anti-COL9A1 antibody (AA 20-270)

1 Image

Overview

Quantity:	100 µL
Target:	COL9A1
Binding Specificity:	AA 20-270
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COL9A1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 20-270 of human COL9A1 (NP_001842.3).
Sequence:	WASAAVKRRP RFPVNSNSNG GNELCPKIRI GQDDLPGFDL ISQFQVDKAA SRRAIQRVVG SATLQVAYKL GNNVDFRIPT RNLYPSGLPE EYSFLTTFRM TGSTLKKNWN IWQIQDSSGK EQVGIKINGQ TQSVVFSYKG LDGSLQTA AF SNLSSLFDSQ WHKIMIGVER SSATLFVDCN RIESLPIKPR GPIDIDGFAV LGKLADNPQV SVPFELQWML IHCDPLRPRR ETCHELPARI TPSQTDERG P
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

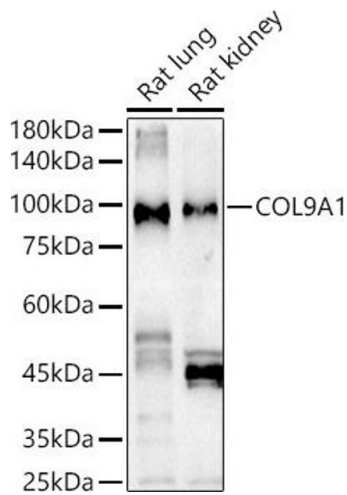
Target:	COL9A1
Alternative Name:	COL9A1 (COL9A1 Products)
Background:	<p>This gene encodes one of the three alpha chains of type IX collagen, which is a minor (5-20 %) collagen component of hyaline cartilage. Type IX collagen is usually found in tissues containing type II collagen, a fibrillar collagen. Studies in knockout mice have shown that synthesis of the alpha 1 chain is essential for assembly of type IX collagen molecules, a heterotrimeric molecule, and that lack of type IX collagen is associated with early onset osteoarthritis. Mutations in this gene are associated with osteoarthritis in humans, with multiple epiphyseal dysplasia, 6, a form of chondrodysplasia, and with Stickler syndrome, a disease characterized by ophthalmic, orofacial, articular, and auditory defects. Two transcript variants that encode different isoforms have been identified for this</p> <p>gene.,COL9A1,DJ149L1.1.2,EDM6,MED,STL4,Signal Transduction,Cell Biology & Developmental Biology,Cytoskeleton,Extracellular Matrix,Collagen,COL9A1</p>
Molecular Weight:	35 kDa/64 kDa/91 kDa
Gene ID:	1297
UniProt:	P20849

Application Details

Application Notes:	WB,1:500 - 1:2000
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using COL9 Rabbit pAb antibody (ABIN6127648, ABIN6138849, ABIN6138851 and ABIN6222235) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.