

Datasheet for ABIN654663
anti-COL18A1 antibody (AA 1311-1339)[Go to Product page](#)

2 Images

Overview

Quantity:	400 µL
Target:	COL18A1
Binding Specificity:	AA 1311-1339
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COL18A1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This COL18A1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1311-1339 amino acids from the Central region of human COL18A1.
Clone:	RB22701
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	COL18A1
Alternative Name:	COL18A1 (COL18A1 Products)
Background:	COL18A1 is the alpha chain of type XVIII collagen. This collagen is one of the multiplexins,

Target Details

extracellular matrix proteins that contain multiple triple-helix domains (collagenous domains) interrupted by non-collagenous domains. The proteolytically produced C-terminal fragment of type XVIII collagen is endostatin, a potent antiangiogenic protein. Mutations in this gene are associated with Knobloch syndrome. The main features of this syndrome involve retinal abnormalities, so type XVIII collagen may play an important role in retinal structure and in neural tube closure.

Molecular Weight: 178188

Gene ID: 80781

NCBI Accession: [NP_085059](#), [NP_569712](#)

UniProt: [P39060](#)

Application Details

Application Notes: WB: 1:1000. IHC-P: 1:50~100

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

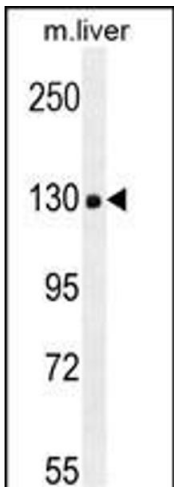
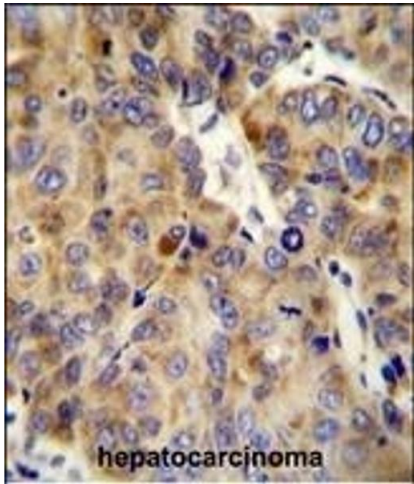
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. COL18A1 Antibody (Center) (ABIN654663 and ABIN2844359) immunohistochemistry analysis in formalin fixed and paraffin embedded human hepatocarcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the COL18A1 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

Western Blotting

Image 2. COL18A1 Antibody (Center) (ABIN654663 and ABIN2844359) western blot analysis in mouse liver tissue lysates (35 µg/lane). This demonstrates the COL18A1 antibody detected the COL18A1 protein (arrow).