

Datasheet for ABIN6260946

anti-Collagen Type IX alpha 2 (COL9A2) antibody**3** Images**1** Publication[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	Collagen Type IX alpha 2 (COL9A2)
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Un-conjugated
Application:	ELISA, Western Blotting (WB)

Product Details

Immunogen:	A synthesized peptide derived from human Collagen IX alpha2
Isotype:	IgG
Specificity:	Collagen IX α2 Antibody detects endogenous levels of total Collagen IX α2
Cross-Reactivity:	Human, Mouse (Murine)
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Target Details

Target:	Collagen Type IX alpha 2 (COL9A2)
Alternative Name:	Collagen IX alpha2 (COL9A2 Products)
Background:	Description: Structural component of hyaline cartilage and vitreous of the eye.

Target Details

Gene: COL9A2

Molecular Weight: 65 kDa

Gene ID: 1298

UniProt: [Q14055](#)

Application Details

Application Notes: WB 1:1000-3000

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

Preservative: Sodium azide

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

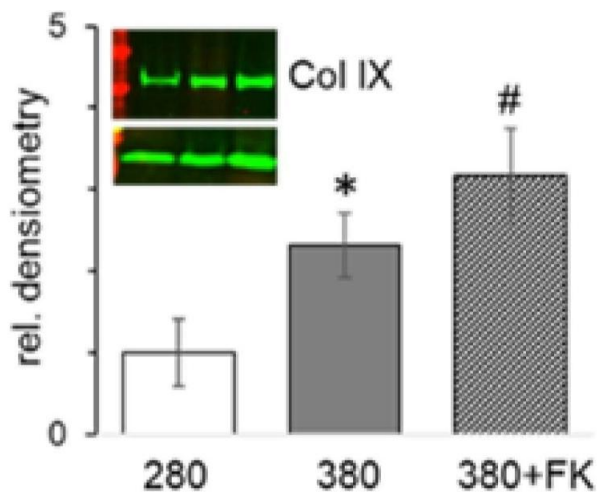
Storage: -20 °C

Storage Comment: Store at -20 °C. Stable for 12 months from date of receipt

Expiry Date: 12 months

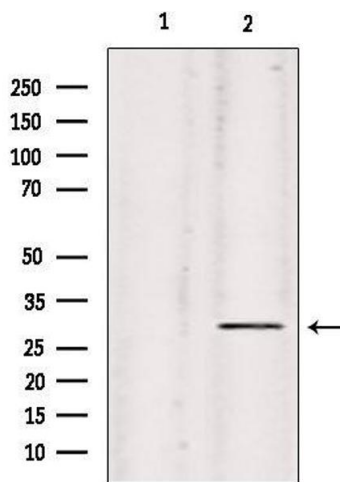
Publications

Product cited in: Jahr, van der Windt, Timur, Baart, Lian, Rolauffs, Wang, Pufe: "Physosmotic Induction of Chondrogenic Maturation Is TGF- β Dependent and Enhanced by Calcineurin Inhibitor FK506." in: **International journal of molecular sciences**, Vol. 23, Issue 9, (2022) ([PubMed](#)).



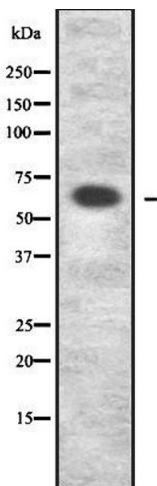
Western Blotting

Image 1. FK506 dose-dependently stimulates expression of fibrillar and minor collagens in physosmotic ATDC5 cultures. Densitometrically determined differences in protein levels of collagen type IX (Col IX), $n = 3$; β -tubulin (loading control); FK, 620 nM FK506; $p < 0.05$. Source: PMID35563498



Western Blotting

Image 2. Western blot analysis of extracts from hela, using Collagen IX $\alpha 2$ Antibody. Lane 1 was treated with the blocking peptide.



Western Blotting

Image 3. Western blot analysis of Collagen IX $\alpha 2$ using COS7 whole cell lysates