

Datasheet for ABIN7602398
anti-COL6A2 antibody (AA 734-1015)



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Overview

Quantity:	100 µg
Target:	COL6A2
Binding Specificity:	AA 734-1015
Reactivity:	Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COL6A2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Purpose:	Anti-col6a2 Antibody Picoband®
Immunogen:	E.coli-derived zebrafish col6a2 recombinant protein (Position: D734-C1015).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-col6a2 Antibody Picoband® (ABIN7602398). Tested in ELISA, IHC, WB applications. This antibody reacts with Zebrafish. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	COL6A2
Alternative Name:	col6a2 (COL6A2 Products)
Background:	Synonyms: ETS-related transcription factor Elf-1, E74-like factor 1, ELF1 Tissue Specificity: In fetal tissues, it is highly expressed in heart, lung liver and kidney, and weakly expressed in brain. In adult, it is highly expressed in pancreas, spleen, thymus and peripheral blood leukocytes, expressed at moderate levels in heart, placenta, lung, liver, skeletal muscle, kidney, prostate, ovary, small intestine and colon, and weakly expressed in brain and testis. Background: Collagen alpha-2(VI) chain is a protein that in humans is encoded by the COL6A2 gene. Acts upstream of or within axonogenesis, muscle cell development, and muscle organ development. Predicted to be active in collagen-containing extracellular matrix and extracellular space. Is expressed in several structures, including anterior segment eye, gut, integument, musculature system, and yolk syncytial layer. Human ortholog(s) of this gene implicated in Ullrich congenital muscular dystrophy. Orthologous to human COL6A2 (collagen type VI alpha 2 chain).
Molecular Weight:	140 kDa
Gene ID:	567771

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Zebrafish Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Zebrafish ELISA, 0.1-0.5 µg/mL, Zebrafish 1. Ackerman, C., Locke, A. E., Feingold, E., Reshey, B., Espana, K., Thusberg, J., Mooney, S., Bean, L. J. H., Dooley, K. J., Cua, C. L., Reeves, R. H., Sherman, S. L., Maslen, C. L. An excess of deleterious variants in VEGF-A pathway genes in Down-syndrome-associated atrioventricular septal defects. Am. J. Hum. Genet. 91: 646-659, 2012. 2. Baker, N. L., Morgelin, M., Pace, R. A., Peat, R. A., Adams, N. E., Gardner, R. J. M., Rowland, L. P., Miller, G., De Jonghe, P., Ceulemans, B., Hannibal, M. C., Edwards, M., Thompson, E. M., Jacobson, R., Quinlivan, R. C. M., Aftimos, S., Kornberg, A. J., North, K. N., Bateman, J. F., Lamande, S. R. Molecular consequences of dominant Bethlem myopathy collagen VI mutations. Ann. Neurol. 62: 390-405, 2007. 3. Baker, N. L., Morgelin, M., Peat, R., Goemans, N., North, K. N., Bateman, J. F., Lamande, S. R. Dominant collagen VI mutations are a common cause of Ullrich congenital muscular dystrophy. Hum. Molec. Genet. 14: 279-293, 2005.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C, -20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.