

Anti-Collagen alpha-1(XV) chain COL15A1 Antibody

Catalog Number: A05581

About COL15A1

Endosomal ferrireductase required for efficient transferrin-dependent iron uptake in erythroid cells. Participates in erythroid iron homeostasis by reducing Fe³⁺ to Fe²⁺. Can also reduce of Cu²⁺ to Cu¹⁺, suggesting that it participates in copper homeostasis. Uses NADP⁺ as acceptor. May play a role downstream of p53/TP53 to interface apoptosis and cell cycle progression. Indirectly involved in exosome secretion by facilitating the secretion of proteins such as TCTP.

Passer B.J., Proc. Natl. Acad. Sci. U.S.A. 100:2284-2289(2003).

Korkmaz C.G., Oncogene 24:4934-4945(2005).

Steiner M.S., Cancer Res. 60:4419-4425(2000).

Overview

Product Name	Anti-Collagen alpha-1(XV) chain COL15A1 Antibody
Reactive Species	Human
Description	Boster Bio Anti-Collagen alpha-1 (XV) chain COL15A1 Antibody catalog # A05581. Tested in WB applications. This antibody reacts with Human.
Application	WB
Clonality	Polyclonal
Formulation	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P39059

Technical Details

Immunogen	Synthesized peptide derived from human BOK protein.
Predicted Reactive Species	Boar, Bovine, Canine, Golden Hamster
Isotype	IgG
Form	Liquid
Concentration	1 mg/ml
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-

	specific immunogen and the purity is > 95% (by SDS-PAGE).
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>WB: 1:500-1:1000</p>

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