

Anti-P4HA2 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human, Mouse (predicted: Rat, Chicken, Dog, Pig, Cow, Horse, Rabbit, Sheep)
Molecular Weight:	Theoretical: 59 kDa. Actual: 59 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	1. Sample: Placenta (Mouse) Lysate at 40 µg
	Primary: Anti-P4HA2 (TMAB-09873) at 1/1000 dilution
	Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
	Predicted band size: 59 kD
	Observed band size: 58 kD
	2. Sample: HeLa (Human) Cell Lysate at 30 µg
	Primary: Anti-P4HA2 (TMAB-09873) at 1/1000 dilution
	Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
	Predicted band size: 59 kD
Observed band size: 59 kD	3. Sample: 293T (Human) Cell Lysate at 30 µg
	Primary: Anti-P4HA2 (TMAB-09873) at 1/1000 dilution
	Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 59 kD	
Observed band size: 59 kD	
Application:	WB
Recommended	WB: 1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human P4HA2
Antigen Species:	Human
Gene ID:	8974
Uniprot ID:	O15460

Research Background

This gene encodes a component of prolyl 4-hydroxylase, a key enzyme in collagen synthesis composed of two identical alpha subunits and two beta subunits. The encoded protein is one of several different types of alpha subunits and provides the major part of the catalytic site of the active enzyme. In collagen and related proteins, prolyl 4-hydroxylase catalyzes the formation of 4-hydroxyproline that is essential to the proper three-dimensional

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folding of newly synthesized procollagen chains. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2008]

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