

## P4HA3 Rabbit pAb

CatalogNo: YT6617

### | Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB

#### MW

- 60kD (Calculated)

#### Isotype

- IgG

### | Recommended Dilution Ratios

**WB 1:500-2000**

### | Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### | Basic Information

**Clonality** Polyclonal

### | Immunogen Information

**Immunogen** Synthesized peptide derived from human P4HA3 AA range: 211-261

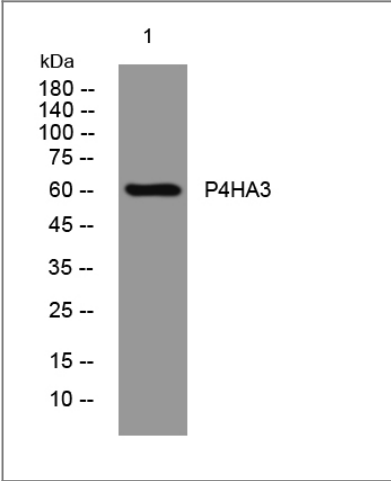
**Specificity** This antibody detects endogenous levels of P4HA3 at Human/Mouse/Rat

### | Target Information

**Gene name** P4HA3 UNQ711/PRO1374

<b>Protein Name</b>	P4HA3		
	<b>Organism</b>	<b>Gene ID</b>	<b>UniProt ID</b>
	Human	<a href="#">283208;</a>	<a href="#">Q7Z4N8;</a>
	Mouse		<a href="#">Q6W3F0;</a>
	Rat	<a href="#">361612;</a>	<a href="#">Q6W3E9;</a>
<b>Cellular Localization</b>	Endoplasmic reticulum lumen .		
<b>Tissue specificity</b>	Highly expressed in placenta, liver and fetal skin. Weakly expressed in fetal epiphyseal cartilage, fetal liver, fibroblast, lung and skeletal muscle. Expressed also in fibrous cap of carotid atherosclerotic lesions.		
<b>Function</b>	Catalytic activity:Procollagen L-proline + 2-oxoglutarate + O(2) = procollagen trans-4-hydroxy-L-proline + succinate + CO(2).,cofactor:Ascorbate.,cofactor:Binds 1 Fe(2+) ion per subunit.,Function:Catalyzes the post-translational formation of 4-hydroxyproline in -Xaa-Pro-Gly- sequences in collagens and other proteins.,PTM:N-glycosylation plays no role in the catalytic activity.,similarity:Belongs to the P4HA family.,similarity:Contains 1 PKHD (prolyl/lysyl hydroxylase) domain.,similarity:Contains 1 TPR repeat.,subunit:Heterotetramer of two alpha-3 chains and two beta chains (the beta chain is the multi-functional PDI).,tissue specificity:Highly expressed in placenta, liver and fetal skin. Weakly expressed in fetal epiphyseal cartilage, fetal liver, fibroblast, lung and skeletal muscle. Expressed also in fibrous cap of carotid atherosclerotic lesions.,		

Validation Data



Western blot analysis of lysates from HuvEc cells, primary antibody was diluted at 1:1000, 4°over night

Contact information

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**P4HA3 Rabbit pAb**

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