



## Anti-FAM20B (aa 258-402) polyclonal antibody (DPABH-16185)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Antigen Description</b>	Responsible for the 2-O-phosphorylation of xylose in the glycosaminoglycan-protein linkage region of proteoglycans thereby regulating the amount of mature GAG chains. Sulfated glycosaminoglycans (GAGs), including heparan sulfate and chondroitin sulfate, are synthesized on the so-called common GAG-protein linkage region (GlcUAbeta1-3Galbeta1-3Galbeta1-4Xylbeta1-O-Ser) of core proteins, which is formed by the stepwise addition of monosaccharide residues by the respective specific glycosyltransferases. Xylose 2-O-phosphorylation may influence the catalytic activity of B3GAT3 (GlcAT-I) which completes the precursor tetrasaccharide of GAG-protein linkage regions on which the repeating disaccharide region is synthesized.
<b>Immunogen</b>	Recombinant fragment, corresponding to amino acids 258-402 of Human FAM20B.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Immunogen affinity purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IHC-P
<b>Format</b>	Liquid
<b>Size</b>	100 µl
<b>Buffer</b>	pH: 7.20; Constituents: 59% PBS, 40% Glycerol
<b>Preservative</b>	0.02% Sodium Azide

**Storage**

Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

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## GENE INFORMATION

**Gene Name**

[FAM20B family with sequence similarity 21, member B \[ Homo sapiens \]](#)

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**Official Symbol**

FAM20B

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**Synonyms**

FAM20B; family with sequence similarity 20, member B; gxk1; glycosaminoglycan xylosylkinase; xylose kinase;

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**Entrez Gene ID**

[9917](#)

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**Protein Refseq**

[NP\\_055679.1](#)

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**UniProt ID**

[A0A024R918](#)

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**Function**

ATP binding; kinase activity; phosphotransferase activity, alcohol group as acceptor;

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