



XYLT1 rabbit pAb

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| Catalog No | YP-Ab-08138 |
| Isotype | IgG |
| Reactivity | Human; Mouse;Rat |
| Applications | WB |
| Gene Name | XYLT1 XT1 |
| Protein Name | XYLT1 |
| Immunogen | Synthesized peptide derived from human XYLT1 AA range: 312-362 |
| Specificity | This antibody detects endogenous levels of XYLT1 at Human/Mouse/Rat |
| Formulation | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.253% sodium azide. |
| Source | Polyclonal, Rabbit,IgG |
| Purification | The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen. |
| Dilution | WB 1:500-2000 |
| Concentration | 1 mg/ml |
| Purity | ≥90% |
| Storage Stability | -20°C/1 year |
| Synonyms | Xylosyltransferase 1 (EC 2.4.2.26) (Peptide O-xylosyltransferase 1) (Xylosyltransferase I) (XT-I) (XylT-I) |
| Observed Band | 105kD |
| Cell Pathway | Golgi apparatus membrane ; Single-pass type II membrane protein . Secreted . Detected predominantly in the Golgi apparatus. . |
| Tissue Specificity | Widely expressed. Expressed at higher level in placenta, kidney and pancreas. Weakly expressed in skeletal muscle. |
| Function | catalytic activity:Transfers a beta-D-xylosyl residue from UDP-D-xylose to the serine hydroxy group of an acceptor protein substrate.,cofactor:Divalent cations.,function:Catalyzes the first step in biosynthesis of glycosaminoglycan. Transfers D-xylose from UDP-D-xylose to specific serine residues of the core protein. Initial enzyme in the biosynthesis of chondroitin sulfate and dermatan sulfate proteoglycans in fibroblasts and chondrocytes.,miscellaneous:Activity is strongly reduced in seminal plasma of infertile men.,online information:GlycoGene database,pathway:Glycan metabolism; chondroitin sulfate biosynthesis.,pathway:Glycan metabolism; heparan sulfate biosynthesis.,PTM:Contains 7 disulfide bonds.,PTM:N-glycosylated.,similarity:Belongs to the glycosyltransferase 14 family. XylT subfamily.,subcellular location:Some fraction is also found in the extracellular space together with chond |

**Background**

This locus encodes a xylosyltransferase enzyme. The encoded protein catalyzes transfer of UDP-xylose to serine residues of an acceptor protein substrate. This transfer reaction is necessary for biosynthesis of glycosaminoglycan chains. Mutations in this gene have been associated with increased severity of pseudoxanthoma elasticum.[provided by RefSeq, Nov 2009],

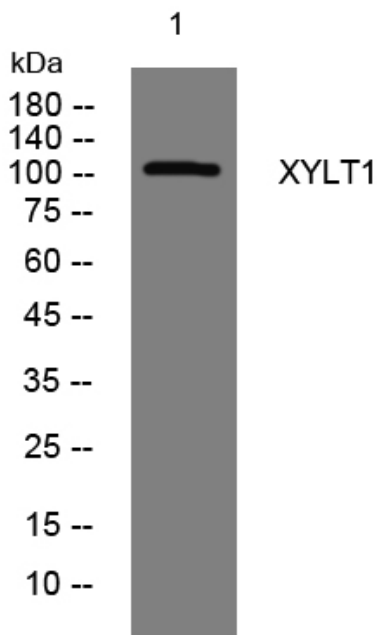
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from SW480 cells, primary antibody was diluted at 1:1000, 4° over night