

# Datasheet for ABIN2459323

# anti-XYLT2 antibody





#### Overview

| OVEIVIEW          |   |  |
|-------------------|---|--|
| Quantity:         | 100 μL  |  |
| Target:           | XYLT2   |  |
| Reactivity:       | Mouse, Human, Rat, Dog  |  |
| Host:             | Rabbit  |  |
| Clonality:        | Polyclonal  |  |
| Conjugate:        | This XYLT2 antibody is un-conjugated  |  |
| Application:      | Western Blotting (WB), ELISA  |  |
| Product Details   |   |  |
| Immunogen:        | Antibody produced in rabbits immunized with a synthetic peptide corresponding a region of human XYLT2.  |  |
| Purification:     | Antibody is purified by peptide affinity chromatography method.   |  |
| Target Details    |   |  |
| Target:           | XYLT2   |  |
| Alternative Name: | XYLT2 (XYLT2 Products)  |  |
| Background:       | XYLT2 is an isoform of xylosyltransferase, which belongs to a family of glycosyltransferases. This enzyme transfers xylose from UDP-xylose to specific serine residues of the core protein and initiates the biosynthesis of glycosaminoglycan chains in proteoglycans including chondroitin sulfate, heparan sulfate, heparin and dermatan sulfate. The enzyme activity, which |  |
|                   | is increased in scleroderma patients, is a diagnostic marker for the determination of sclerotic   |  |

| Molecular Weight: | 97 kDa                              |
|-------------------|-------------------------------------|
| Gene ID:          | 64132                               |
| NCBI Accession:   | NP_071450                           |
| UniProt:          | Q9H1B5                              |
| Pathways:         | Glycosaminoglycan Metabolic Process |

# **Application Details**

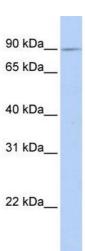
| Application Notes: | XYL |
|--------------------|-----|
| Application Notes: | XYL |

XYLT2 antibody can be used for detection of XYLT2 by ELISA at 1:312500. XYLT2 antibody can be used for detection of XYLT2 by western blot at 1  $\mu$ g/mL, and HRP conjugated secondary antibody should be diluted 1:50,000 - 100,000.

Restrictions: For Research Use only

### Handling

| Format:          | Lyophilized   |  |
|------------------|---|--|
| Reconstitution:  | Add 50 ?L of distilled water. Final antibody concentration is 1 mg/mL.  |  |
| Concentration:   | 1 mg/mL   |  |
| Buffer:          | Antibody is lyophilized in PBS buffer with 2 % sucrose.   |  |
| Handling Advice: | As with any antibody avoid repeat freeze-thaw cycles.   |  |
| Storage:         | 4 °C/-20 °C   |  |
| Storage Comment: | For short periods of storage (days) store at 4 °C. For longer periods of storage, store XYLT2 antibody at -20 °C. |  |



### **Western Blotting**

Image 1.