

## Rabbit anti-Human, Mouse DCXR Polyclonal Antibody | anti-DCXR antibody

DCXR Antibody

|                               |                       |                                   |                                                           |
|-------------------------------|-----------------------|-----------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA308494</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|-----------------------------------|-----------------------------------------------------------|

### PRODUCT SYNONYMS

DCXR; Polyclonal Antibody; DCXR Antibody; XR; DCR; HCR2; P34H; HCRII; KIDCR; PNTSU; SDR20C1; anti-DCXR antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                 |
|------------------------------------------------|-----------------------------------------------------------------|
| Host                                           | Rabbit                                                          |
| Reactivity                                     | Human, Mouse                                                    |
| Clonality                                      | Polyclonal                                                      |
| Specificity                                    | The antibody detects endogenous levels of total DCXR protein.   |
| Purity/Purification                            | Antigen Affinity Purification                                   |
| Form/Format                                    | Rabbit IgG in pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol. |
| Concentration                                  | 0.8 mg/ml (varies by lot)                                       |
| Sequence Length                                | 242                                                             |
| Applicable Applications for anti-DCXR antibody | IHC (Immunohistochemistry), WB (Western Blot)                   |
| Immunogen                                      | Full length fusion protein of human DCXR                        |
| Immunogen Type                                 | Protein                                                         |
| Preparation and Storage                        | Store at -20 degree C                                           |

### IMAGES



#### IHC (Immunohistochemisry)

Immunohistochemical analysis of paraffin-embedded Human cervical cancer tissue using at dilution 1/20.



#### IHC (Immunohiostchemistry)

Immunohistochemical analysis of paraffin-embedded Human gastric cancer tissue using at dilution 1/20.



#### WB (Western Blot)

Gel: 12%SDS-PAGE Lysate: 40 &amp;#956; g Lane 1-3: 293T and TM4 cell, human fetal liver tissue Primary antibody: 1/300 dilution Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution Exposure time: 15 seconds

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-DCXR antibody | The protein encoded by this gene acts as a homotetramer to catalyze diacetyl reductase and L-xylulose reductase reactions. The encoded protein may play a role in the uronate cycle of glucose metabolism and in the cellular osmoregulation in the proximal renal tubules. Defects in this gene are a cause of pentosuria. Two transcript variants encoding different isoformshave been found for this gene. |
| Product Categories/Family for anti-DCXR antibody   | Total protein Ab                                                                                                                                                                                                                                                                                                                                                                                              |

NCBI AND UNIPROT INFORMATION

|                                  |                                                   |
|----------------------------------|---------------------------------------------------|
| NCBI GI #                        | 304571975                                         |
| NCBI GeneID                      | 51181                                             |
| NCBI Accession #                 | NP_001182147.1                                    |
| NCBI GenBank Nucleotide #        | NM_001195218.1                                    |
| UniProt Accession #              | Q7Z4W1; Q9BTZ3; Q9UHY9                            |
| Molecular Weight                 | 25,913 Da                                         |
| NCBI Official Full Name          | L-xylulose reductase isoform 2                    |
| NCBI Official Synonym Full Names | dicarbonyl/L-xylulose reductase                   |
| NCBI Official Symbol             | DCXR                                              |
| NCBI Official Synonym Symbols    | XR; DCR; HCR2; P34H; HCRII; KIDCR; PNTSU; SDR20C1 |
| NCBI Protein Information         | L-xylulose reductase                              |
| UniProt Protein Name             | L-xylulose reductase                              |
| UniProt Gene Name                | DCXR                                              |
| UniProt Synonym Gene Names       | SDR20C1; XR; kiDCR                                |
| UniProt Entry Name               | DCXR_HUMAN                                        |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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