

Product datasheet for **CF500820**

DCXR Mouse Monoclonal Antibody [Clone ID: OTI4D11]

Product data:

| | |
|-------------------------|--|
| Product Type: | Primary Antibodies |
| Clone Name: | OTI4D11 |
| Applications: | FC, IF, IHC, WB |
| Recommended Dilution: | WB 1:500, IHC 1:50, IF 1:100, Flow 1:100 |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Full length human recombinant protein of human DCXR (NP_057370) produced in HEK293T cell. |
| Formulation: | Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose) |
| Reconstitution Method: | For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific) |
| Purification: | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 25.9 kDa |
| Gene Name: | dicarbonyl and L-xylulose reductase |
| Database Link: | NP_057370 Entrez Gene 51181 Human Q7Z4W1 |
| Background: | DCXR is an enzyme that has both diacetyl reductase (EC 1.1.1.5) and L-xylulose reductase (EC 1.1.1.10) activities |

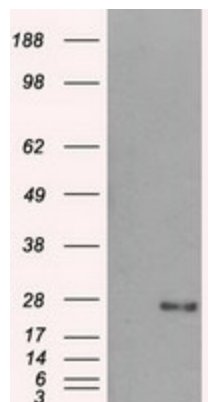


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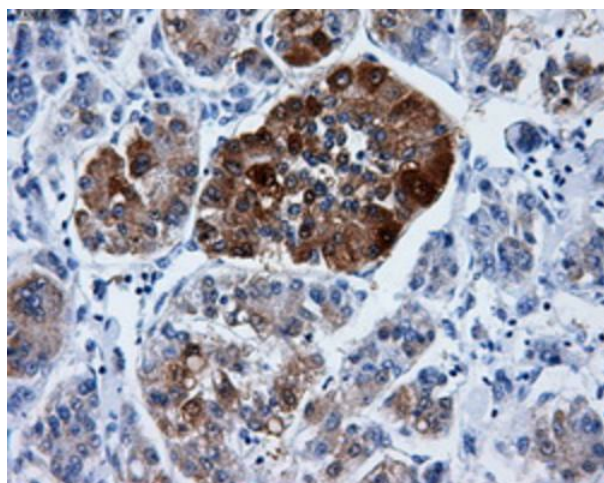
Synonyms: DCR; HCR2; HCR2II; KIDCR; P34H; PNTSU; SDR20C1; XR

Protein Families: Druggable Genome

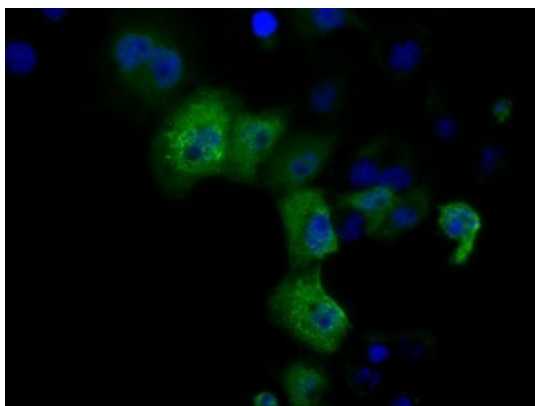
Protein Pathways: Metabolic pathways, Pentose and glucuronate interconversions

Product images:

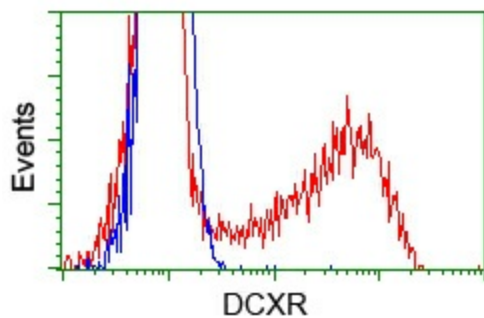
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY DCXR (Cat# [RC200023], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-DCXR antibody (Cat# [TA500820]). Positive lysates [LY402535] (100ug) and [LC402535] (20ug) can be purchased separately from OriGene.



Immunohistochemical staining of paraffin-embedded Carcinoma of liver tissue using anti-DCXR mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Anti-DCXR mouse monoclonal antibody ([TA500820]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY DCXR ([RC200023]).



HEK293T cells transfected with either pCMV6-ENTRY DCXR ([RC200023]) (Red) or empty vector control plasmid (Blue) were immunostained with anti-DCXR mouse monoclonal ([TA500820]), and then analyzed by flow cytometry.