

Uniprot ID: [P52895](#)

Protein name: AK1C2\_HUMAN

# AKR1C2-2

Full name: Aldo-keto reductase family 1 member C2

Protein existence: evidence at protein level

Function: Works in concert with the 5-alpha/5-beta-steroid reductases to convert steroid hormones into the 3-alpha/5-alpha and 3-alpha/5-beta-tetrahydrosteroids. Catalyzes the inactivation of the most potent androgen 5-alpha-dihydrotestosterone (5-alpha-DHT) to 5-alpha-androstane-3-alpha,17-beta-diol (3-alpha-diol). Has a high bile-binding ability.

Subcellular location: Cytoplasm (potential).

Three antibodies: AKR1C2-1, AKR1C2-2 and AKR1C2-3 were tested. All were approved for IHC, AKR1C2-1 were selected for full protein profiling.

## AKR1C2-2 (CAB047305)

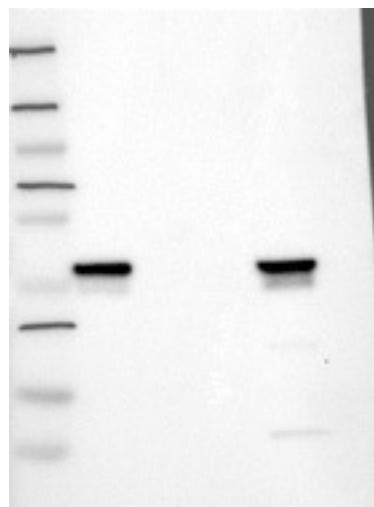
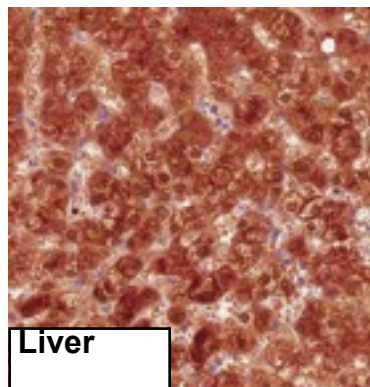
OK

### Immunohistochemistry

IHC protocol: HIER pH 6, Dilution 1:3000

IHC test staining: Strong staining of normal/cancer liver. Weaker in few remaining tissues.P-stop

### IHC Annotators comments



### Western blot

WB Size markers (kDa): 250, 130, 95, 72, 55, 36, 28, 17, 11

WB Lanes: Marker(1), RT-4(2), U251 MG(3), Plasma(4), Liver(5), Tonsil(6)

WB Target weight (kDa): 37, 34, 37, 16

WB Validation: Supportive - Band of predicted size in kDa (+/-20%) with additional bands present.