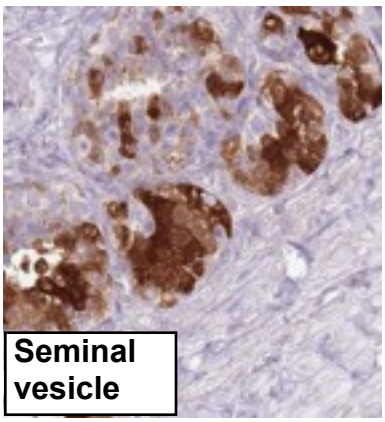
AKR1B1-2

Uniprot ID: P15121
Protein name: ALDR_HUMAN
Full name: Aldose reductase
Protein existence: evidence at protein level
Function: Catalyzes the NADPH-dependent reduction of a wide variety of carbonyl-containing compounds to their corresponding alcohols with a broad range of catalytic efficiencies.
Subcellular location: Cytoplasm.
Tissue specificity: Highly expressed in embryonic epithelial cells (EUE) in response to osmotic stress.

One antibody: AKR1B1-2 was tested, approved for IHC and used for full protein profiling.

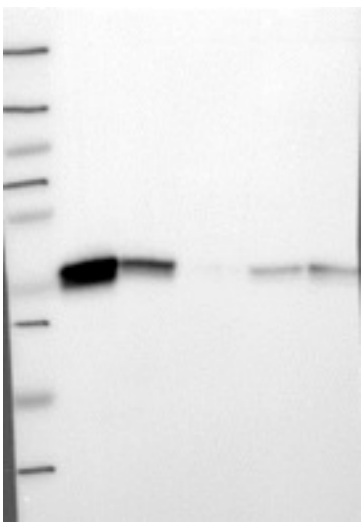
AKR1B1-2 (CAB047353)

OK
(previously recieved CPTC-AKR1B1-3 already published on Human Protein Atlas)



Immunohistochemistry

IHC protocol: HIER pH 6, Dilution 1:20000
IHC test staining: Cytoplasmic staining, most in adrenal gland, seminal vesicles and less in testis and placenta.



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): 36, 29, 11
WB Validation: Supportive (Single band corresponding to the predicted size in kDa (+/-20%))