

AKR1B1-3 (627A17.1)

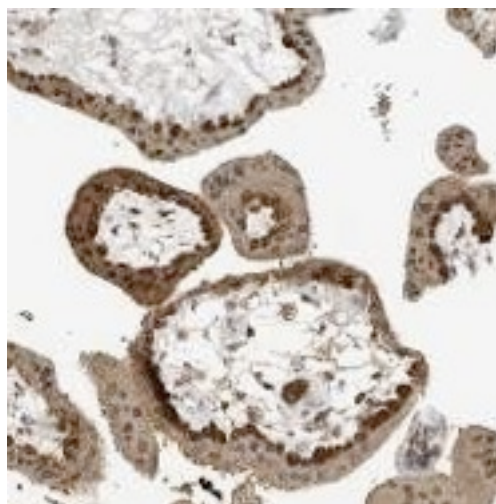
Protein: Aldose reductase

UniProt

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.



IHC. Placenta

IHC protocol

HIER pH 6

Diluted 1:1500

IHC comment

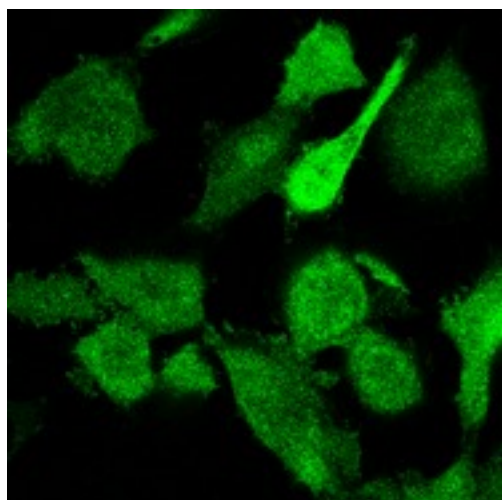
Approved for IHC. Distinct cytoplasmic staining of varying intensity in many tissues. Strong in e.g. placenta, seminal vesicle, testis and kidney, as well as in some cell lines.

Annotators comment

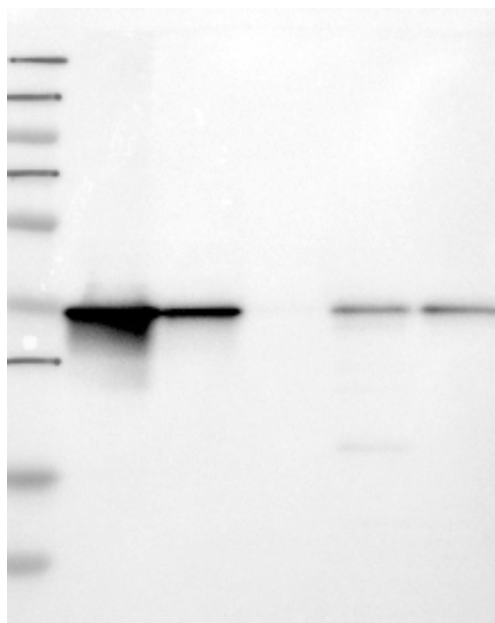
Most normal tissues exhibited weak to moderate nuclear and/or cytoplasmic immunoreactivity. Strong staining was observed in thyroid gland, adrenal gland and placenta as well as spermatogonia, oocytes and macrophages. Many renal and thyroid cancers showed staining with high intensity in cytoplasm and nucleus while a majority of ovarian cancers, urothelial cancers, malignant gliomas, lymphomas and melanomas showed weak to moderate staining. Remaining malignancies were in most cases negative.

AKR1B1-3 (627A17.1)

Protein: Aldose reductase



IF. Celline: U251
Staining: Moderate
Localisation: Unspecific



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