

Product Data Sheet

Anti-AKR1CL2 Antibody

Catalog #	Source	Reactivity	Applications
CPA3445	Rabbit	H, Mk, P	WB, IH
Description	Rabbit polyclonal antibody to AKR1CL2		
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human AKR1CL2. The exact sequence is proprietary.		
Purification	The antibody was purified by immunogen affinity chromatography.		
Specificity	Recognizes endogenous levels of AKR1CL2 protein.		
Clonality	Polyclonal		
Form	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		
Dilution	WB (1/500 - 1/1000), IH (1/100 - 1/200)		
Gene Symbol	AKR1E2		
Alternative Names	AKR1CL2; AKRDC1; 1,5-anhydro-D-fructose reductase; AF reductase; Aldo-keto reductase family 1 member C-like protein 2; Aldo-keto reductase family 1 member E2; LoopADR; Testis-specific protein; hTSP		
Entrez Gene	83592 (Human); 56043 (Mouse); 307091 (Rat)		
SwissProt	Q96JD6 (Human); Q9DCT1 (Mouse); Q5U1Y4 (Rat)		
Storage/Stability	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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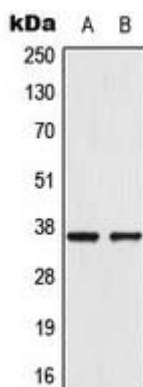
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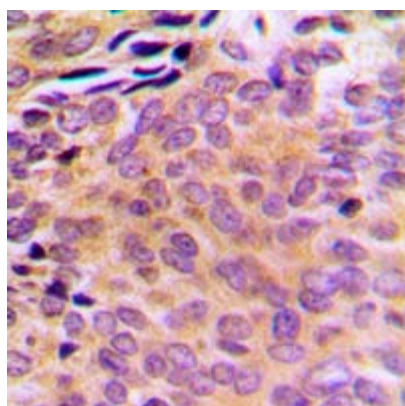
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Western blot analysis of AKR1CL2 expression in VEC (A), A549 (B) whole cell lysates.



Immunohistochemical analysis of AKR1CL2 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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