

Product Data Sheet

Anti-Glyoxalase I Antibody

Catalog #	Source	Reactivity	Applications
CQA1093	Rabbit	H, M, R	WB, IH
Description	Rabbit polyclonal antibody to Glyoxalase I		
Immunogen	Recombinant full length protein of human Glyoxalase I		
Purification	The antibody was purified by immunogen affinity chromatography.		
Specificity	Recognizes endogenous levels of Glyoxalase I protein.		
Clonality	Polyclonal		
Conjugation			
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 - 1/2000), IH (1/50 - 1/200)		
Gene Symbol	GLO1		
Alternative Names	Lactoylglutathione lyase; Aldoketomutase; Glyoxalase I; Glx I; Ketone-aldehyde mutase; Methylglyoxalase; S-D-lactoylglutathione methylglyoxal lyase		
Entrez Gene	2739 (Human); 109801 (Mouse); 294320 (Rat)		
SwissProt	Q04760 (Human); Q9CPU0 (Mouse); Q6P7Q4 (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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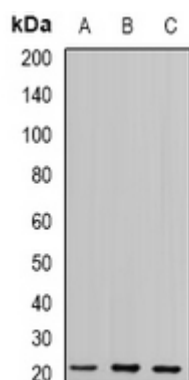
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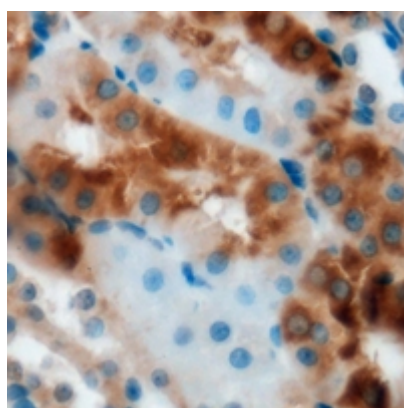
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Western blot analysis of Glyoxalase I expression in 22RV1 (A), PC3 (B), mouse kidney (C) whole cell lysates. (Predicted band size: 20 kD; Observed band size: 21 kD)



Immunohistochemical analysis of Glyoxalase I staining in mouse kidney 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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