

Rabbit GLO1 Polyclonal Antibody | anti-GLO1 antibody

GLO1 Antibody (N-term)

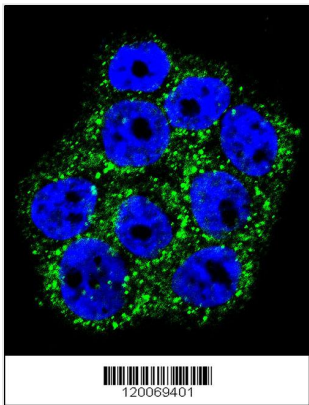
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290177	Rabbit	Human (Predicted Reactivity: Monkey)	Immunofluorescence, Western Blot, Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

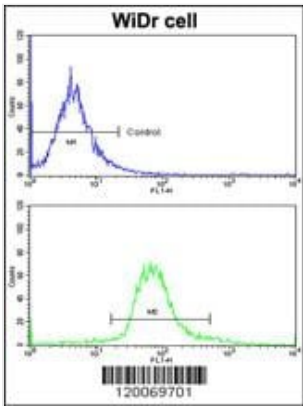
GLO1; Polyclonal Antibody; GLO1 Antibody (N-term); Lactoylglutathione lyase; Aldoketomutase; Glyoxalase I; Glx I; Ketone-aldehyde mutase; Methylglyoxalase; S-D-lactoylglutathione methylglyoxal lyase; anti-GLO1 antibody

PRODUCT SPECIFICATIONS

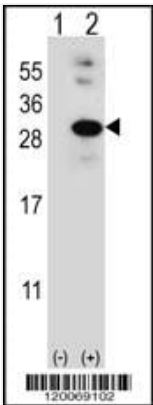
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Monkey)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This GLO1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 23-51 amino acids from the N-terminal region of human GLO1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	23-51
Sequence Length	169
Applicable Applications for anti-GLO1 antibody	IF (Immunofluorescence), WB (Western Blot), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



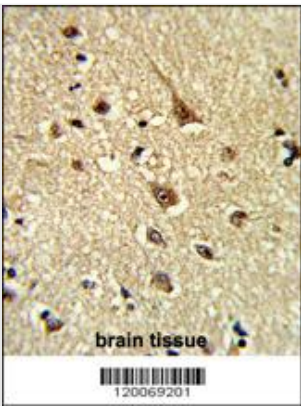
IF (Immunofluorescence)
Confocal immunofluorescent analysis of GLO1 Antibody (N-term) with WiDr cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



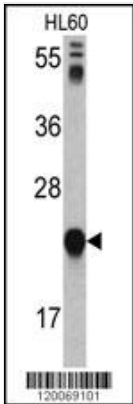
FCM/FACS (Flow Cytometry)
Flow cytometric analysis of WiDr cells using GLO1 Antibody (N-term) (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
Western blot analysis of GLO1 (arrow) using rabbit polyclonal GLO1 Antibody (N-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the GLO1 gene.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human brain tissue reacted with GLO1 Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of GLO1 antibody (N-term) in HL60 cell line lysates (35ug/lane). GLO1 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-GLO1 antibody

The enzyme GLO1 is responsible for the catalysis and formation of S-lactoyl-glutathione from methylglyoxal condensation and reduced glutathione. Glyoxalase I is linked to HLA and is localized to 6p21.3-p21.1, between HLA and the centromere.

Product Categories/Family for anti-GLO1 antibody	Cancer; Cardiovascular; Metabolism; Signal transduction
References	Germanova,A., Cancer Invest. 27 (6), 655-660 (2009) Engelen,L., J. Hypertens. 27 (7), 1399-1403 (2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	118402586
NCBI GeneID	2739
NCBI Accession #	NP_006699.2
NCBI GenBank Nucleotide #	NM_006708.2
UniProt Accession #	Q04760; P78375; Q59EL0; Q5TZW3; Q96FC0; Q96J41; B2R6P7; B4DDV0
Molecular Weight	20778
NCBI Official Full Name	lactoylglutathione lyase
NCBI Official Synonym Full Names	glyoxalase I
NCBI Official Symbol	GLO1
NCBI Official Synonym Symbols	GLYI; GLOD1; HEL-S-74
NCBI Protein Information	lactoylglutathione lyase
UniProt Protein Name	Lactoylglutathione lyase
UniProt Gene Name	GLO1
UniProt Synonym Gene Names	Glx I
UniProt Entry Name	LGUL_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/glo1-antibody-immunofluorescence-western-blot-flow-cytometry-immunohistochemistry-elisa/290177>