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GLO1 Recombinant Rabbit mAb

Catalog # AP100155

Product Information

Application	WB
Primary Accession	Q04760
Other Accession	Q04760
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Recombinant
Calculated MW	20778
Physical State	Liquid
Immunogen	A synthesized peptide derived from human Lactoylglutathione lyase
Epitope Specificity	10-50
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	10mM phosphate buffered saline(pH 7.4) with 150mM sodium chloride, 0.05% BSA, 0.02% Proclin300 and 50% glycerol.
SIMILARITY	Belongs to the glyoxalase I family.
SUBUNIT	Homodimer.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Catalyzes the conversion of hemimercaptal, formed from methylglyoxal and glutathione, to S-lactoylglutathione.

Additional Information

Gene ID	2739
Other Names	GLOD1; GLYI; HEL-S-74; 0610009E22Rik; 1110008E19Rik; 2510049H23Rik; GLY1; Glo-1; Glo-1r; Glo-1s; Glo1-r; Glo1-s; Qglo; LGUL_HUMAN; GLO1; Aldoketomutase; Glyoxalase I (Glx I); Ketone-aldehyde mutase; Methylglyoxalase; S-D-lactoylglutathione methylglyoxal lyase; 4.4.1.5; LGUL_MOUSE; glyoxalase I; lactoylglutathione lyase
Dilution	WB=1:500-2000,Flow-Cyt=1:50-100,ICC/IF=1:50-200
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	GLO1

Function	Catalyzes the conversion of hemimercaptal, formed from methylglyoxal and glutathione, to S-lactoylglutathione (PubMed:20454679, PubMed:23122816, PubMed:9705294). Involved in the regulation of TNF-induced transcriptional activity of NF-kappa-B (PubMed:19199007). Required for normal osteoclastogenesis (By similarity).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.