Glyoxalase 1 (GLO1) Antibody

Mouse Monoclonal Antibody [Clone CPTC-GLO1-1]

Catalog No	Format	Size
2739-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
2739-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
2739-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

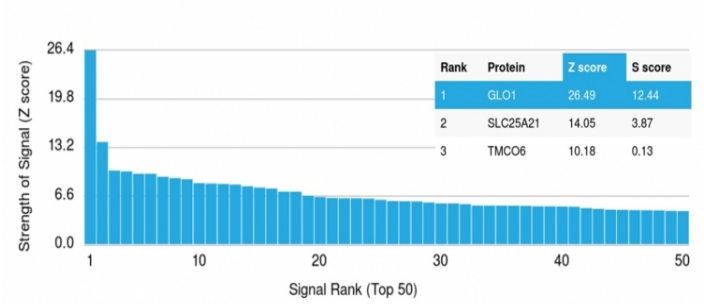
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

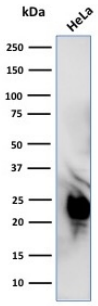
Clone	CPTC-GLO1-1
Gene Name	GLO1
Immunogen	Recombinant full-length human GLO1 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1
Mol. Weight of Antigen	24-26kDa
Species Reactivity	Human
Positive Control	HeLa or Raji cell lysates. Human ovarian carcinoma or prostate carcinoma.

**Optimal dilution for a specific application should be determined.*

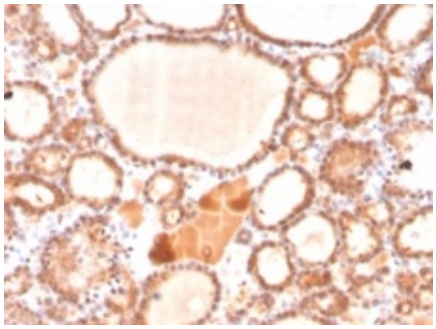
Product Images for Glyoxalase 1 (GLO1) Antibody



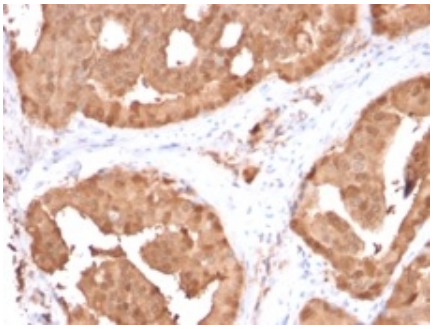
Analysis of Protein Array containing more than 19,000 full-length human proteinsusing Glyoxalase 1 (GLO1) Monoclonal Antibody (CPTC-GLO1-1). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (Monoclonal Antibody) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a Monoclonal Antibody to its intended target. A Monoclonal Antibody is considered to specific to its intended target, if the Monoclonal Antibody has an S-score of at least 2.5. For example, if a Monoclonal Antibody binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that Monoclonal Antibody to protein X is equal to 29.



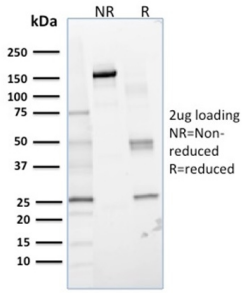
Western Blot Analysis of HeLa cell lysate using Glyoxalase 1 (GLO1) Mouse Monoclonal Antibody (CPTC-GLO1-1).



Formalin-fixed, paraffin-embedded human thyroid carcinoma stained with Glyoxalase 1 (GLO1) Mouse Monoclonal Antibody (CPTC-GLO1-1).



Formalin-fixed, paraffin-embedded human prostate carcinoma stained with Glyoxalase 1 (GLO1) Mouse Monoclonal Antibody (CPTC-GLO1-1).



SDS-PAGE Analysis of Purified Glyoxalase 1 (GLO1) Mouse Monoclonal Antibody (CPTC-GLO1-1). Confirmation of Integrity and Purity of Antibody.

Specificity & Comments

GLO1 is an enzyme involved in the detoxification of methylgyoxal, a byproduct of glycolysis. GLO1 expression has been demonstrated by several studies to be upregulated in various human malignant tumors, including metastatic melanoma and lung carcinoma, and thus is a target for pharmaceutical development.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Nuclear Marker

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.