Datasheet for ABIN6939533

anti-GLO1 antibody

5 Images

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Overview

Quantity:	100 µg
Target:	GLO1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This GLO1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	Recombinant human full-length GLO1 protein
Clone:	CPTC-GLO1-1
Isotype:	IgG1 kappa
Purification:	Purified by Protein A/G

Target Details

Target:	GLO1
Alternative Name:	GLO1 (GLO1 Products)
Background:	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.

Target Details

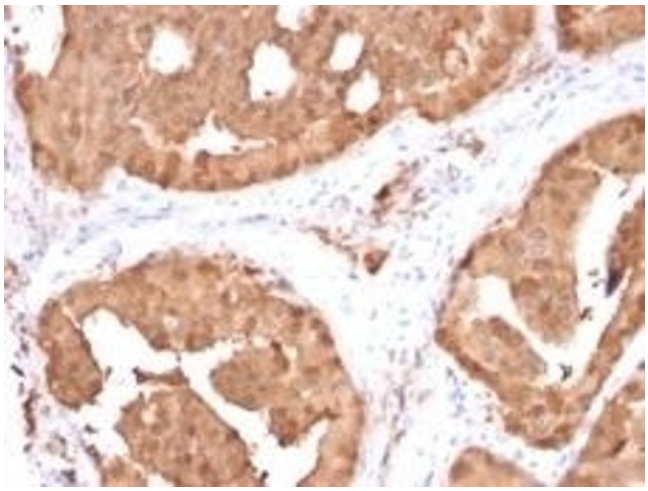
Molecular Weight:	24-26kDa
Gene ID:	2739
UniProt:	Q04760

Application Details

Application Notes:	Positive Control: A431, HepG2, MOLT and Raji cell lysates. Ovarian carcinoma or prostate carcinoma. Known Application: Western Blot (0.5-1.0 µg/mL), Immunohistochemistry (Formalin-fixed) (0.5-1 µg/mL for 30 min at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

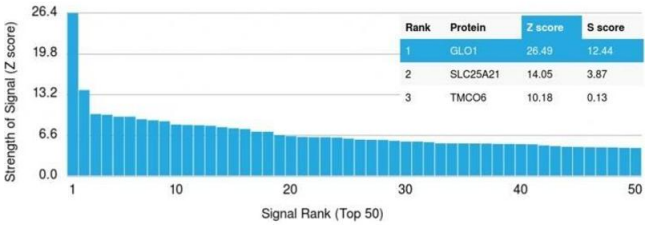
Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	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.
Expiry Date:	24 months



Immunohistochemistry

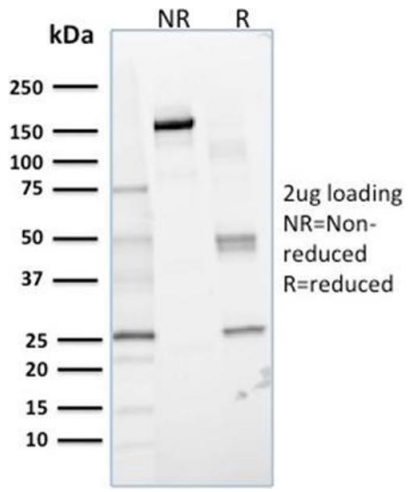
Image 1. Formalin-fixed, paraffin-embedded human prostate carcinoma stained with Glyoxalase 1 (GLO1) Mouse Monoclonal Antibody (CPTC-GLO1-1).



Protein Array

Image 2. Analysis of Protein Array containing more than 19,000 full-length human proteins using Lactoylglutathione Lyase 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.

Images



SDS-PAGE

Image 3. SDS-PAGE Analysis Purified Lactoylglutathione Lyase Mouse Monoclonal Antibody (CPTC-GLO1-1). Confirmation of Integrity and Purity of Antibody.

Please check the product details page for more images. Overall 5 images are available for ABIN6939533.