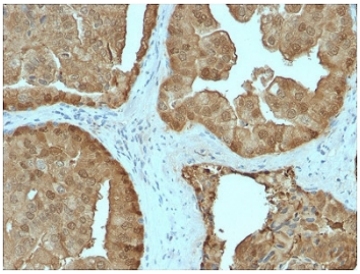
GLO1 Antibody [clone CPTC-GLO1-1] (V7414)

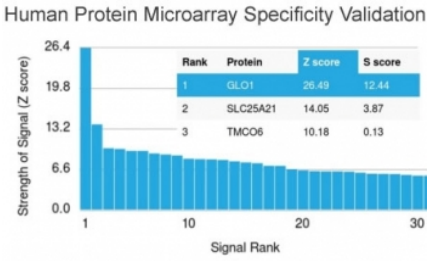
Catalog No.	Formulation	Size
V7414-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7414-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7414SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V7414IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Bulk quote request

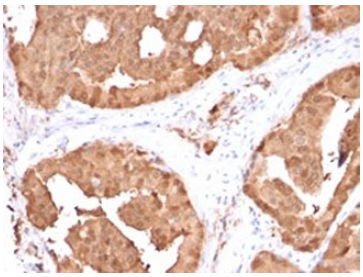
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	CPTC-GLO1-1
Purity	Protein G affinity chromatography
UniProt	Q04760
Localization	Cytoplasmic
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 0.5-1ug/ml for 30 min at RT
Limitations	This GLO1 antibody is available for research use only.



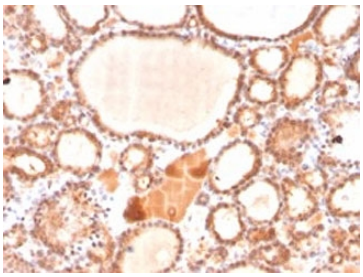
IHC testing of FFPE human prostate carcinoma stained with GLO1 antibody. Required HIER: boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.



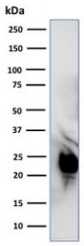
Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using GLO1 antibody. These results demonstrate the foremost specificity of the CPTC-GLO1-1 mAb.
Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



IHC testing of FFPE human prostate carcinoma stained with GLO1 antibody. Required HIER: boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.



IHC testing of FFPE human thyroid carcinoma stained with GLO1 antibody. Required HIER: boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.



Western blot testing of human HeLa cell lysate with GLO1 antibody. Predicted molecular weight ~21 kDa.

Description

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.

Application Notes

Optimal dilution of the GLO1 antibody should be determined by the researcher.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Full length human protein was used as the immunogen for the GLO1 antibody.

Storage

Store the GLO1 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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