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36-2436: Anti-Glutathione S-Transferase Mu3 (GSTM3) Monoclonal Antibody(Clone: CPTC-GSTMu3-1)

Clonality :	Monoclonal
Clone Name :	CPTC-GSTMu3-1
Application :	IHC
Reactivity :	Human
Gene :	GSTM3
Gene ID :	2947
Uniprot ID :	P21266
Alternative Name :	brain GST antibody; brain type mu glutathione S transferase; GST class mu 3; GST5; GSTB; GSTM3-3; S (hydroxyalkyl)glutathione lyase M3; glutathione S transferase M3 (brain)
Isotype :	Mouse IgG2a, kappa
Immunogen Information :	Recombinant full-length human GSTM3 protein

Product Info

Amount :	20 µg / 100 µg
Content :	200 µg/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 condition :	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.

Application Note

Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 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);

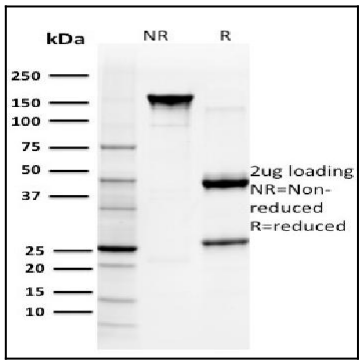

Fig. 1: SDS-PAGE Analysis Purified GST Mu3 Mouse Monoclonal Antibody (CPTC-GSTMu3-1). Confirmation of Purity and Integrity of Antibody.

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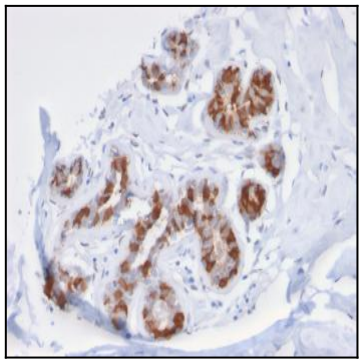

Fig. 2: Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with Purified GST Mu3 Mouse Monoclonal Antibody (CPTC- GSTMu3-1).

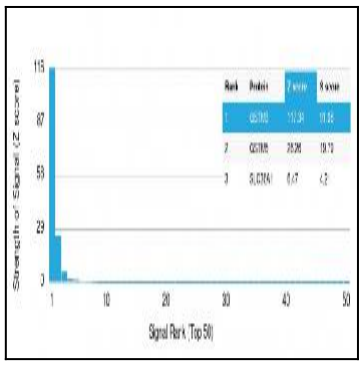

Fig. 3: Analysis of Protein Array containing more than 19,000 full-length human proteins using Glutathione S-Transferase Mu3 (GSTM3) Mouse Monoclonal Antibody (CPTC- GSTMu3-1). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (Monoclonal Antibody) (in combination 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.