

Product Datasheet

Glutathione Synthetase Antibody (OTI1B8) NBP2-03351

Unit Size: 0.1 ml

Store at -20C. Avoid freeze-thaw cycles.

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NBP2-03351**Glutathione Synthetase Antibody (OTI1B8)**

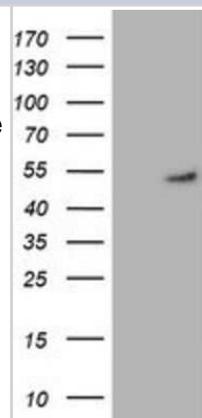
Product Information	
Unit Size	0.1 ml
Concentration	0.51 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	OTI1B8
Preservative	0.02% Sodium Azide
Isotype	IgG1
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.3), 1.0% BSA and 50% Glycerol
Target Molecular Weight	52.2 kDa

Product Description	
Host	Mouse
Gene ID	2937
Gene Symbol	GSS
Species	Human, Mouse, Rat
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
Immunogen	Full length human recombinant protein of human GSS (NP_000169) produced in HEK293T cell.

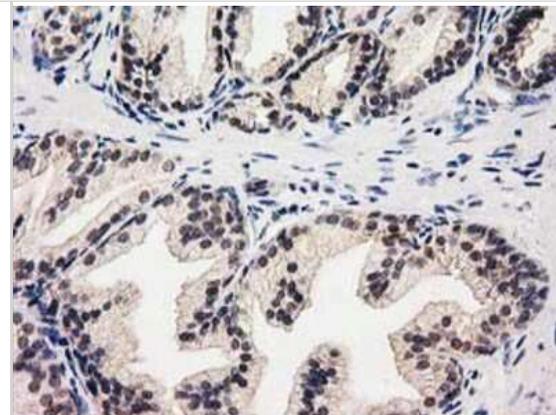
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:2000, Flow Cytometry 1:100, Immunohistochemistry 1:150, Immunohistochemistry-Paraffin 1:150

Images

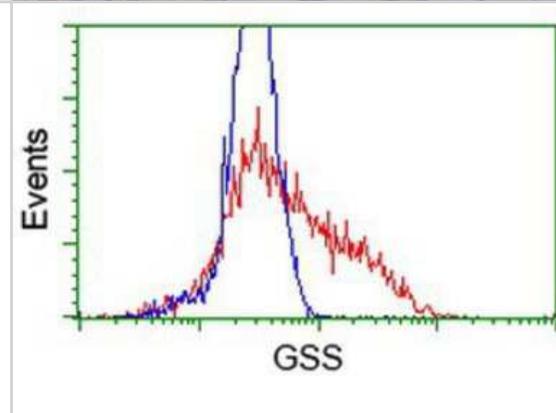
Western Blot: Glutathione Synthetase Antibody (1B8) [NBP2-03351] - HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY Glutathione Synthetase (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-Glutathione Synthetase.



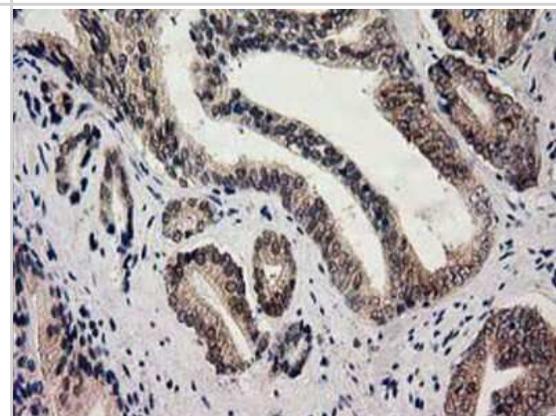
Immunohistochemistry-Paraffin: Glutathione Synthetase Antibody (1B8) [NBP2-03351] Staining of paraffin-embedded Human prostate tissue using anti-Glutathione Synthetase mouse monoclonal antibody.



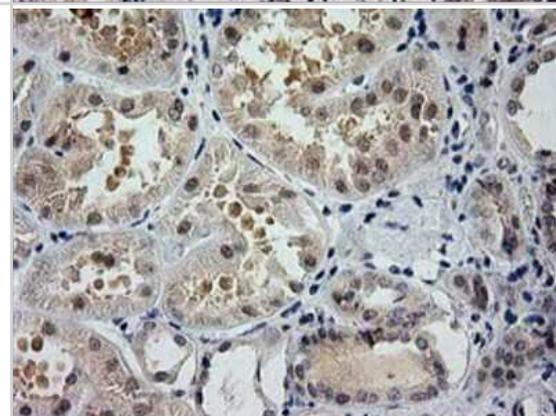
Flow Cytometry: Glutathione Synthetase Antibody (1B8) [NBP2-03351] - HEK293T cells transfected with either overexpression plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-Glutathione Synthetase antibody, and then analyzed by flow cytometry.



Immunohistochemistry-Paraffin: Glutathione Synthetase Antibody (1B8) [NBP2-03351] - Staining of paraffin-embedded Carcinoma of Human prostate tissue using anti-Glutathione Synthetase mouse monoclonal antibody.



Immunohistochemistry-Paraffin: Glutathione Synthetase Antibody (1B8) [NBP2-03351] - Staining of paraffin-embedded Human Kidney tissue using anti-Glutathione Synthetase mouse monoclonal antibody.



Publications

Yoon SJ, Combs JA, Falzone A et al. Comprehensive Metabolic Tracing Reveals the Origin and Catabolism of Cysteine in Mammalian Tissues and Tumors *Cancer Research* 2023-05-02 [PMID: 36862034] (In vivo assay)

Kang Y, Mockabee-Macias A, Jiang C et al. Non-canonical glutamate-cysteine ligase activity protects against ferroptosis *Cell Metab* 2020-12-28 [PMID: 33357455]

Kraft AM, Petty HR Spatial locations of certain enzymes and transporters within pre-invasive ductal epithelial cells predict human breast cancer recurrences *Am. J. Physiol., Cell Physiol.* 2020-09-09 [PMID: 32903032] (IF/IHC, Human)





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Products Related to NBP2-03351

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP1-50862-0.1mg	Recombinant Human Glutathione Synthetase His Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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