

Product Datasheet

Glutathione Peroxidase 1/GPX1 Antibody NBP2-33429

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP2-33429**Glutathione Peroxidase 1/GPX1 Antibody**

Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

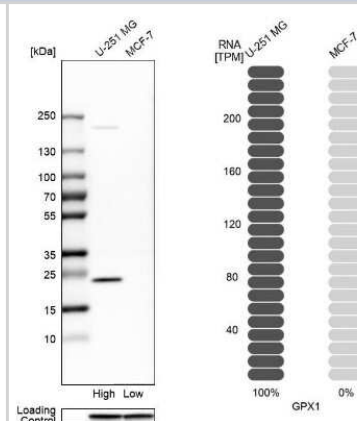
Product Description	
Host	Rabbit
Gene ID	2876
Gene Symbol	GPX1
Species	Human
Reactivity Notes	Rat (81%). Reactivity reported in scientific literature (PMID: 24743550)
Immunogen	This antibody was developed against a recombinant protein corresponding to amino acids: RYSRRFQTIDIEPDIEALLSQGPSCA

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:1000 - 1:2500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:1000 - 1:2500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

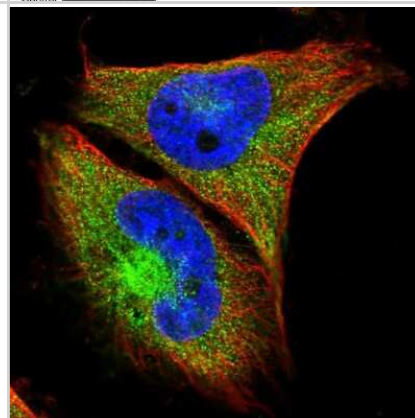


Images

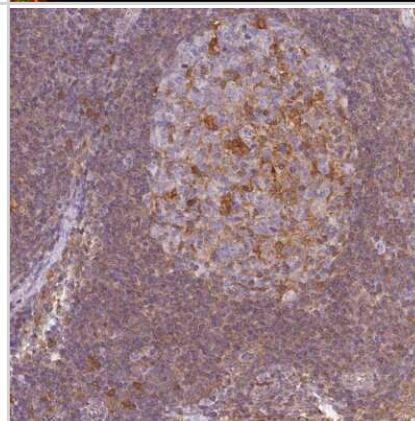
Western Blot: Glutathione Peroxidase 1/GPX1 Antibody [NBP2-33429] - Analysis in human cell lines U-251MG and MCF-7 using anti-GPX1 antibody. Corresponding GPX1 RNA-seq data are presented for the same cell lines. Loading control: anti-GAPDH.



Immunocytochemistry/Immunofluorescence: Glutathione Peroxidase 1/GPX1 Antibody [NBP2-33429] - Staining of human cell line U-251 MG shows localization to cytosol. Antibody staining is shown in green.



Immunohistochemistry-Paraffin: Glutathione Peroxidase 1/GPX1 Antibody [NBP2-33429] - Staining of human lymph node shows strong cytoplasmic positivity in subset of germinal center and non-germinal center cells.



Publications

Lee JR, Roh JL, Lee SM et al. Overexpression of glutathione peroxidase 1 predicts poor prognosis in oral squamous cell carcinoma J. Cancer Res. Clin. Oncol. 2017-06-26 [PMID: 28653098] (IHC-P, Human)

Bachmann J, Burte F, Pramana S et al. Affinity Proteomics Reveals Elevated Muscle Proteins in Plasma of Children with Cerebral Malaria. PLoS Pathog 2014-04-01 [PMID: 24743550]



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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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