

Product Datasheet

Glycerol 3 Phosphate Dehydrogenase Antibody NBP1-87411

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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NBP1-87411**Glycerol 3 Phosphate Dehydrogenase Antibody**

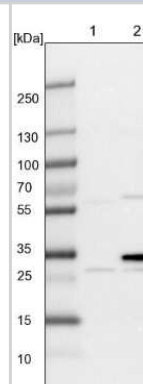
| Product Information | |
|---------------------|--|
| Unit Size | 0.1 ml |
| Concentration | Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services. |
| Storage | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| 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 | 2819 |
| Gene Symbol | GPD1 |
| Species | Human, Mouse, Rat |
| Reactivity Notes | Human reactivity reported in scientific literature (PMID: 24549054). |
| Immunogen | This antibody was developed against Recombinant Protein corresponding to amino acids: PNVVAVPDVVQAAEDADILIFVVP HQFIGKICDQLKGHLKANATGISLIK |

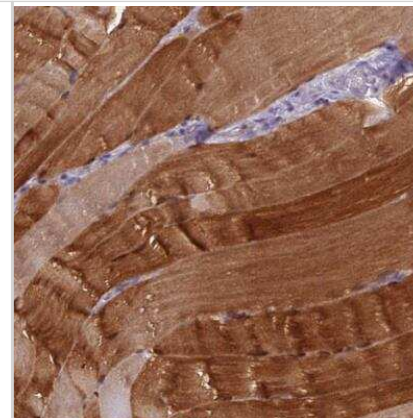
| Product Application Details | |
|-----------------------------|--|
| Applications | Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin |
| Recommended Dilutions | Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:50 - 1:200, Immunohistochemistry-Paraffin 1:50 - 1:200 |
| Application Notes | WB reported in scientific literature (PMID: 24549054). For IHC-Paraffin, HIER pH 6 retrieval is recommended. |

Images

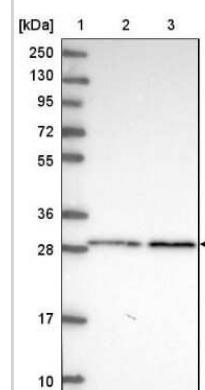
Western Blot: Glycerol 3 Phosphate Dehydrogenase Antibody [NBP1-87411] - Lane 1: Mouse liver tissue lysate Lane 2: Rat liver tissue lysate



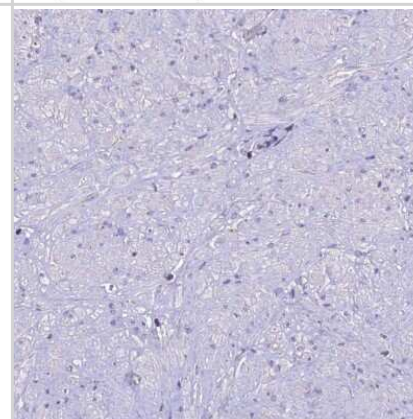
Immunohistochemistry-Paraffin: Glycerol 3 Phosphate Dehydrogenase Antibody [NBP1-87411] - Staining of human skeletal muscle shows high expression.



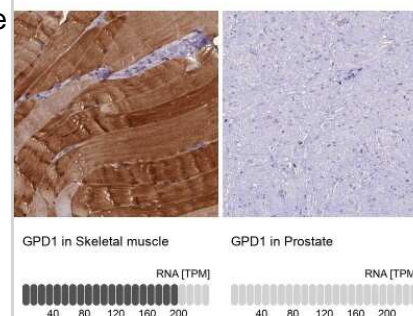
Western Blot: Glycerol 3 Phosphate Dehydrogenase Antibody [NBP1-87411] - Lane 1: Marker [kDa] 250, 130, 95, 72, 55, 36, 28, 17, 10. Lane 2: Human cell line RT-4. Lane 3: Human cell line U-251MG sp



Immunohistochemistry-Paraffin: Glycerol 3 Phosphate Dehydrogenase Antibody [NBP1-87411] - Staining of human prostate shows low expression as expected.



Immunohistochemistry-Paraffin: Glycerol 3 Phosphate Dehydrogenase Antibody [NBP1-87411] - Staining in human skeletal muscle and prostate tissues using anti-GPD1 antibody. Corresponding GPD1 RNA-seq data are presented for the same tissues.



Publications

Joshi M, Eagan J, Desai NK et al. A compound heterozygous mutation in GPD1 causes hepatomegaly, steatohepatitis, and hypertriglyceridemia. Eur J Hum Genet 2014-10-01 [PMID: 24549054] (WB, Human)



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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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