

# Product Datasheet

## 15-PGDH/HPGD Antibody NB100-1482

Unit Size: 0.1 mg

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

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**NB100-1482****15-PGDH/HPGD Antibody**

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	0.5 mg/ml
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

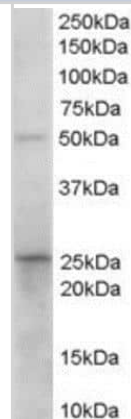
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Goat 15-PGDH/HPGD Antibody (NB100-1482) is a polyclonal antibody validated for use in IHC, WB and ELISA. Anti-15-PGDH/HPGD Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Goat
<b>Gene ID</b>	3248
<b>Gene Symbol</b>	HPGD
<b>Species</b>	Human
<b>Immunogen</b>	Peptide with sequence C-DYDTTPFQAKTQ corresponding to C-Terminus according to NP_000851.2.

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Peptide ELISA
<b>Recommended Dilutions</b>	Western Blot 0.1 - 1 ug/mL, Immunohistochemistry 2.5 ug/mL, Immunohistochemistry-Paraffin 2.5 ug/mL, Peptide ELISA Detection limit 1:128000
<b>Application Notes</b>	WB: Experiments gave bands at approx. 26 kDa band and 50 kDa band in human duodenum lysates after antibody staining. These bands correspond to earlier findings in scientific literature with different antibodies (PMID: 11889207). This protein has a calculated MW of 29.0 kDa band according to NP_000851.

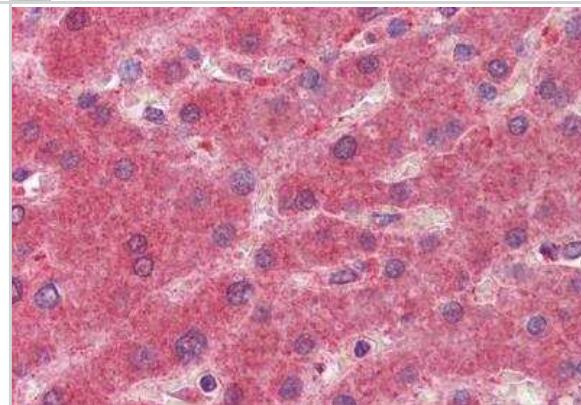


## Images

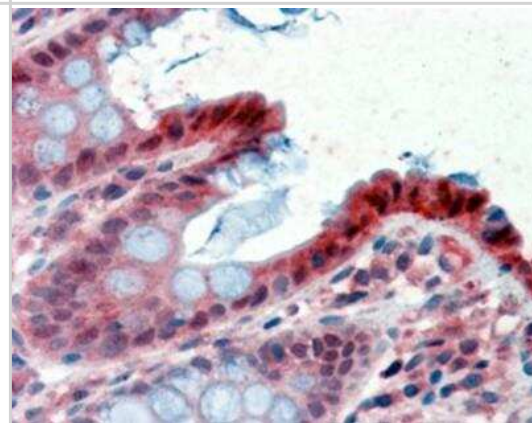
Western Blot: 15-PGDH/HPGD Antibody [NB100-1482] - Staining of Human Duodenum lysate (35 ug protein in RIPA buffer). Antibody at 0.1 ug/mL. Detected by chemiluminescence.



Immunohistochemistry-Paraffin: 15-PGDH/HPGD Antibody [NB100-1482] - Staining of paraffin embedded Human Liver. Antibody at 2.5 ug/mL. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Immunohistochemistry-Paraffin: 15-PGDH/HPGD Antibody [NB100-1482] - Staining of paraffin embedded Human Colon. Antibody at 2.5 ug/mL. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



## Publications

Coggins KG, Latour A, Nguyen MS et al. Metabolism of PGE<sub>2</sub> by prostaglandin dehydrogenase is essential for remodeling the ductus arteriosus. Nat Med 2002-02-01 [PMID: 11821873]

Giannoulas D, Patel FA, Holloway AC et al. Differential changes in 15-hydroxyprostaglandin dehydrogenase and prostaglandin H synthase (types I and II) in human pregnant myometrium. J Clin Endocrinol Metab 2002-03-01 [PMID: 11889207]



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### **Products Related to NB100-1482**

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NBL1-11693	15-PGDH/HPGD Overexpression Lysate
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

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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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