

# 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

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

Product Description	
Host	Goat
Gene ID	3248
Gene Symbol	HPGD
Species	Human
Immunogen	Peptide with sequence C-DYDTTPFQAKTQ corresponding to C-Terminus according to NP_000851.2.

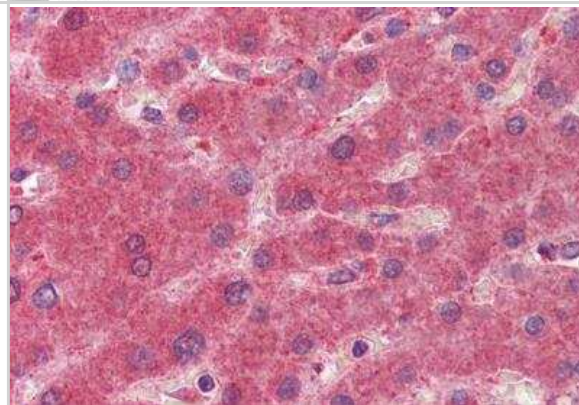
Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, Peptide ELISA
Recommended Dilutions	Western Blot 0.1 - 1 ug/mL, Immunohistochemistry 2.5 ug/mL, Immunohistochemistry-Paraffin 2.5 ug/mL, Peptide ELISA Detection limit 1:128000
Application Notes	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

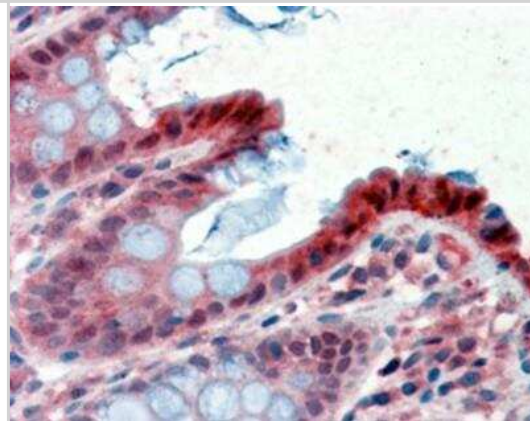
Western Blot: 15-PGDH/HPGD Antibody [NB100-1482] - Staining of Human Duodenum lysate (35 ug protein in RIPA buffer). Antibody at 0.1 ug/mL. Detected by chemiluminescence.

250kDa  
150kDa  
100kDa  
75kDa  
50kDa  
37kDa  
25kDa  
20kDa  
15kDa  
10kDa

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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