

# Product Datasheet

## PGD2 Synthase/PTGDS Antibody - BSA Free NB110-59909

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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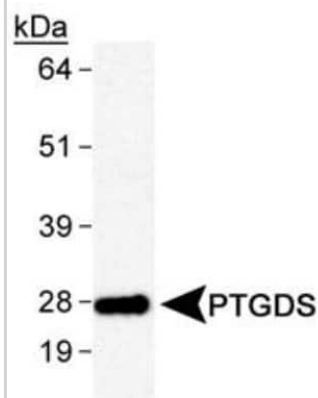


**NB110-59909****PGD2 Synthase/PTGDS Antibody - BSA Free**

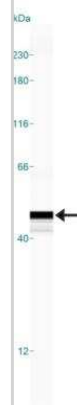
<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.1% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS and 30% Glycerol
<b>Target Molecular Weight</b>	21 kDa
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Rabbit PGD2 Synthase/PTGDS Antibody - BSA Free (NB110-59909) is a polyclonal antibody validated for use in WB and Simple Western. Anti-PGD2 Synthase/PTGDS Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	5730
<b>Gene Symbol</b>	PTGDS
<b>Species</b>	Human, Mouse, Rat, Porcine, Bovine, Equine, Feline, Fish, Primate, Rabbit
<b>Reactivity Notes</b>	Fish reactivity reported in scientific literature (PMID: 31401171).
<b>Immunogen</b>	The epitope recognized by this antibody maps to region within residue 25-100 of human Prostaglandin D Synthase/Lipocalin. [Swiss-Prot# P41222]
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Simple Western
<b>Recommended Dilutions</b>	Western Blot 2 ug/ml, Simple Western 1:50
<b>Application Notes</b>	<p>This Prostaglandin D Synthase/Lipocalin antibody is useful for Western blot analysis where a band can be seen at approx. 21 kDa.</p> <p>In Simple Western only 10 - 15 uL of the recommended dilution is used per data point.</p> <p>See <a href="#">Simple Western Antibody Database</a> for Simple Western validation: Tested in Human Brain lysate 0.5 mg/mL, separated by Size, antibody dilution of 1:50, apparent MW was 49 kDa. Separated by Size-Wes, Sally Sue/Peggy Sue. The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.</p>

## Images

Western Blot: PGD2 Synthase/PTGDS Antibody [NB110-59909] - Detection of Prostaglandin D Synthase/Lipocalin in human brain lysates (NB820-59177) using NB110-59909.



Simple Western: PGD2 Synthase/PTGDS Antibody [NB110-59909] - Simple Western lane view shows a specific band for PGD2/Synthase/PTGDS in 0.5 mg/ml of Human Brain lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



## Publications

Wang T, Zhu W, Zhang H et al. Integrated analysis of proteomics and metabolomics reveals the potential sex determination mechanism in *Odontobutis potamophila* J Proteomics 2019-08-08 [PMID: 31401171] (WB, Fish)

Takeda K, Takahashi NH, Yoshizawa M, Shibahara S. Lipocalin-type prostaglandin D synthase as a regulator of the retinoic acid signalling in melanocytes. J Biochem 2010-08-01 [PMID: 20403807] (WB, Human)



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### **Products Related to NB110-59909**

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NB820-59177	Human Brain Whole Tissue Lysate (Adult Whole Normal)
NB110-59909PEP	PGD2 Synthase/PTGDS Antibody Blocking Peptide
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit 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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