

# Product Datasheet

## Prohibitin 2 Antibody - BSA Free NB100-1807

Unit Size: 100 ul

Store at 4C. Do not freeze.

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### Publications: 3

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**NB100-1807**

Prohibitin 2 Antibody - BSA Free

Product Information	
Unit Size	100 ul
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris-Citrate/Phosphate (pH 7.0 - 8.0)

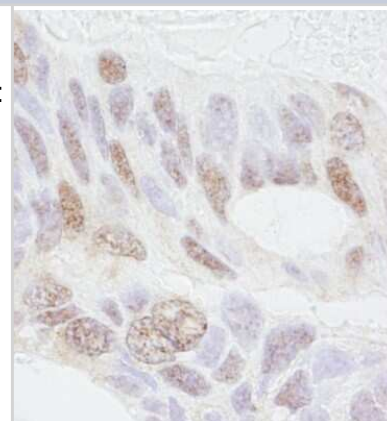
Product Description	
Host	Rabbit
Gene ID	11331
Gene Symbol	PHB2
Species	Human
Immunogen	The immunogen recognized by this antibody maps to a region between residues 1 and 50 of human Repressor of Estrogen Activity (Prohibitin 2) using the numbering given in entry NP_009204.1 (GenelD 11331).

Product Application Details	
Applications	Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, Western Blot (Negative)
Recommended Dilutions	Immunohistochemistry 1:1000- 1:5000, Immunoprecipitation 1-4 ug/mg of lysate, Immunohistochemistry-Paraffin 1:1000- 1:5000, Western Blot (Negative)
Application Notes	Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections. Western Blot Not recommended.

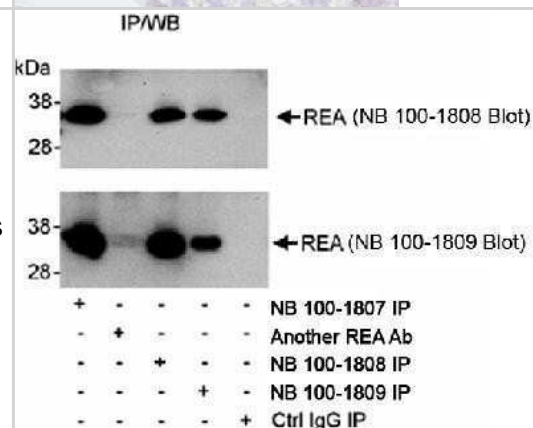


## Images

**Immunohistochemistry-Paraffin: Prohibitin 2 Antibody [NB100-1807] -**  
**Sample:** FFPE section of human ovarian carcinoma. **Antibody:** Affinity purified rabbit anti- REA used at a dilution of 1:1,000 (1ug/ml). **Detection:** DAB



**Immunoprecipitation: Prohibitin 2 Antibody [NB100-1807] - Detection of Human REA by Western Blot of Immunoprecipitates.** **Samples:** Whole cell lysate (1 mg/IP, 20% of IP loaded) from HeLa cells. **Antibodies:** Affinity purified rabbit anti-REA antibodies NB100-1807, another REA Ab, NB100-1808, and NB100-1809 each used for IP at 3 mcg/mg lysate. Immunoprecipitated REA was blotted using BL1706 (upper blot) or BL1707 (lower blot). **Detection:** Chemiluminescence with exposure times of 30 seconds (upper and lower



## Publications

Liu D, Lin Y, Kang T et al. Mitochondrial dysfunction and adipogenic reduction by prohibitin silencing in 3T3-L1 cells. PLoS One 2012-01-01 [PMID: 22479600]

Strub GM, Paillard M, Liang J et al. Sphingosine-1-phosphate produced by sphingosine kinase 2 in mitochondria interacts with prohibitin 2 to regulate complex IV assembly and respiration. FASEB J 2011-02-01 [PMID: 20959514]

He B, Feng Q, Mukherjee A et al. A repressive role for prohibitin in estrogen signaling. Mol Endocrinol 2008-02-01 [PMID: 17932104]



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### **Products Related to NB100-1807**

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NBL1-14349	Prohibitin 2 Overexpression Lysate
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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