

# Product Datasheet

## HSPA2 Antibody - BSA Free

### NBP1-86185

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



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**Publications: 5**

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Updated 12/2/2025 v.20.1

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**NBP1-86185**

HSPA2 Antibody - BSA Free

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	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

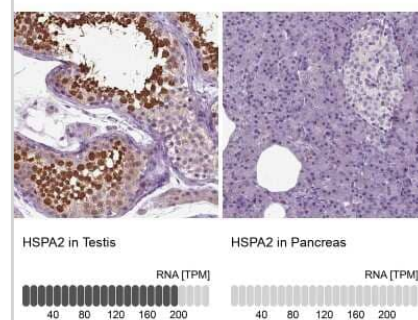
Product Description	
Description	Novus Biologicals Rabbit HSPA2 Antibody - BSA Free (NBP1-86185) is a polyclonal antibody validated for use in IHC and WB. Anti-HSPA2 Antibody: Cited in 5 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	3306
Gene Symbol	HSPA2
Species	Human, Mouse, Rat
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 24899640).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: ILNVTAADKSTGKENKITITNDKGRLSKDDIDRMVQEAEERYKSEDEANRDRVAA KNALESYTYNIKQTVEDEKLRGKISEQDKNKILDKCQEVINWLDNRNQMAEKDEY EHKQKELERVNPIISKLYQGGPGGGSGGGGSGASGGPTIEE

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Knockdown Validated
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunohistochemistry-Paraffin 1:200 - 1:500, Knockdown Validated
Application Notes	IHC, WB reported in scientific literature (PMID: 24899640). For IHC-Paraffin, HIER pH 6 retrieval is recommended.

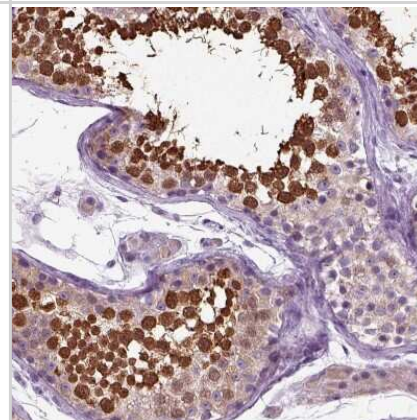


## Images

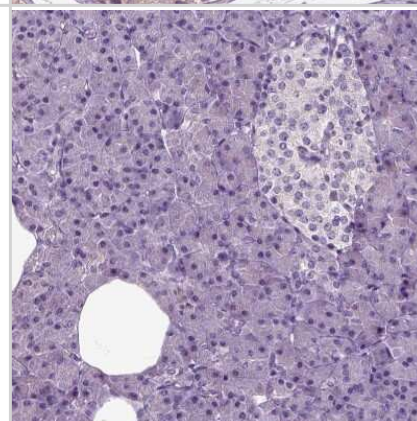
Immunohistochemistry-Paraffin: HSPA2 Antibody [NBP1-86185] - Analysis in human testis and pancreas tissues. Corresponding HSPA2 RNA-seq data are presented for the same tissues.



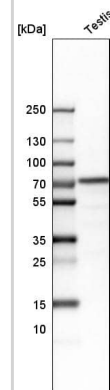
Immunohistochemistry-Paraffin: HSPA2 Antibody [NBP1-86185] - Staining of human testis shows moderate nuclear positivity in cells in seminiferous ducts.



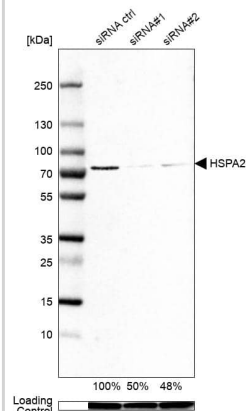
Immunohistochemistry-Paraffin: HSPA2 Antibody [NBP1-86185] - Staining of human pancreas shows no positivity in exocrine glandular cells as expected.



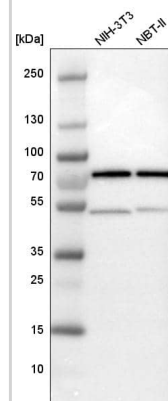
Analysis in human testis tissue.



Analysis in A-549 cells transfected with control siRNA, target specific siRNA probe #1 and #2, using Anti-HSPA2 antibody. Remaining relative intensity is presented. Loading control: Anti-GAPDH.



Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



## Publications

Rogon C, Ulbricht A et al. HSP70-binding protein HSPBP1 regulates chaperone expression at a posttranslational level and is essential for spermatogenesis. *Mol Biol Cell* 2014-01-08 [PMID: 24899640] (WB, IF/IHC, Mouse)

Doigneaux C, Pedley AM, Mistry IN et al. Hypoxia Drives the Assembly of the Multi-Enzyme Purinosome Complex *J. Biol. Chem.* 2020-05-21 [PMID: 32439803] (WB, Human)

Scieglinska D, Krawczyk Z. Expression, function, and regulation of the testis-enriched heat shock HSPA2 gene in rodents and humans. *Cell Stress Chaperones* 2015-03-01 [PMID: 25344376] (Human, Mouse)

Grad I, Cederroth CR, Walicki J et al. The molecular chaperone Hsp90 $\alpha$  is required for meiotic progression of spermatocytes beyond pachytene in the mouse. *PLoS One* 2010-12-01 [PMID: 21209834]

Mulder J, Wernerus H, Shi TJ et al. Systematically generated antibodies against human gene products: high throughput screening on sections from the rat nervous system. *Neuroscience* 2007-06-08 [PMID: 17478047]



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### **Products Related to NBP1-86185**

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NBP1-86185PEP	HSPA2 Recombinant Protein Antigen
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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