

# Product Datasheet

## Boll Antibody NB300-904

Unit Size: 0.1 mg

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

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**NB300-904**

Boll Antibody

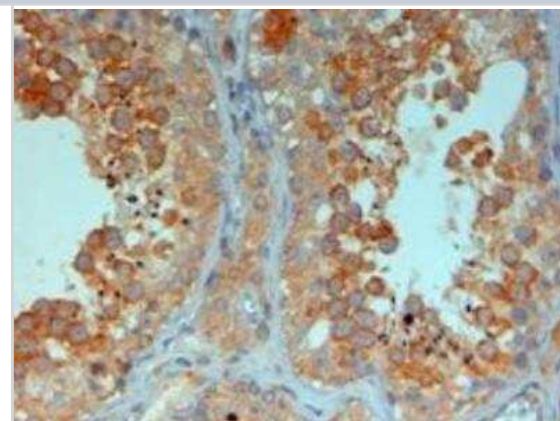
Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

Product Description	
Host	Goat
Gene ID	66037
Gene Symbol	BOLL
Species	Human
Specificity/Sensitivity	This antibody is expected to recognize both reported isoforms (NP_932074.1; NP_149019.1).
Immunogen	Peptide with sequence C-QPEPIKTVWSIHY corresponding to C-Terminus according to NP_932074.1, NP_149019.1.

Product Application Details	
Applications	Immunohistochemistry, Immunohistochemistry-Paraffin, Peptide ELISA
Recommended Dilutions	Immunohistochemistry 4 - 6 ug/ml, Immunohistochemistry-Paraffin 4 - 6 ug/ml, Peptide ELISA Detection limit 1:32000
Application Notes	WB: Preliminary experiments gave an approx. 22 kDa band in human testis lysates after 1.5 ug/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 32.6 kDa band according to NP_932074.1 and 31.3 kDa band according to NP_149019.1. The 22 kDa band was successfully blocked by incubation with the immunizing peptide. However, literature reports a 36 kDa band in human and mouse testis scientific literature (PMID: 11390979). IHC-P: Human testis shows cytoplasm staining in spermatocytes, but not in spermatogonia.

**Images**

Immunohistochemistry-Paraffin: Boll Antibody [NB300-904] - (4ug/ml) staining of paraffin embedded Human Testis. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining



## Publications

Xu EY, Moore FL, Pera RA. A gene family required for human germ cell development evolved from an ancient meiotic gene conserved in metazoans. *Proc Natl Acad Sci USA* 2001-06-01 [PMID: 11390979]

Lin YM, Chung CL, Cheng YS. Posttranscriptional Regulation of CDC25A by BOLL Is a Conserved Fertility Mechanism Essential for Human Spermatogenesis. *J Clin Endocrinol Metab* 2009-01-01 [PMID: 19417033]





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### **Products Related to NB300-904**

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NBL1-08018	Boll 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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