

# Product Datasheet

## ING5 Antibody - BSA Free NB100-1681-100ug

Unit Size: 100 ug

Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.

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**NB100-1681-100ug**

ING5 Antibody - BSA Free

Product Information	
Unit Size	100 ug
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Product Description	
Description	<p>This is an affinity purified antibody produced by immunoaffinity chromatography using the immunizing peptide after immobilization to a solid phase</p> <p>Store vial at -20C prior to opening. Aliquot contents and freeze at -20C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4C as an undiluted liquid. Dilute only prior to immediate use.</p>
Host	Goat
Gene ID	84289
Gene Symbol	ING5
Species	Human
Reactivity Notes	Reactivity occurs against human p28 ING5 protein. The sequence is present in both isoforms 1 and 2. However, 100% homology is on record for this protein from human and chimpanzee. Cross reactivity with p28 ING5 protein from frog, mouse, rat and chicken may not occur as sequence homology varies by one or more amino acids residues in this sequence as indicated by BLAST analysis. Reactivity with p28 ING5 proteins from other sources is not known.
Specificity/Sensitivity	Reactivity occurs against human p28 ING5 protein. The sequence is present in both isoforms 1 and 2.
Immunogen	This affinity purified ING5 Antibody was prepared from whole goat serum produced by repeated immunizations with a synthetic peptide corresponding to an internal region near aa 125-150 of Human p28 ING5 protein (Inhibitor of growth family, member 5). (Uniprot: Q8WYH8)

Product Application Details	
Applications	Western Blot, ELISA
Recommended Dilutions	Western Blot 1:500-1:1000, ELISA 1:4000-1:16000
Application Notes	This affinity purified antibody has been tested for use in ELISA and by western blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 28 kDa or 26 kDa in size corresponding to variants of ING5 by western blotting in the appropriate cell lysate or extract.

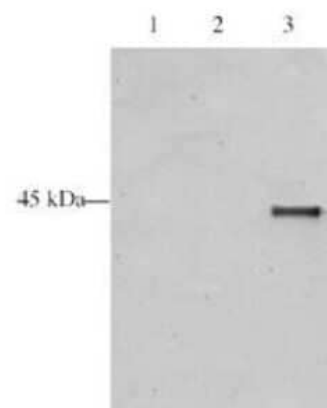


## Images

Western Blot: ING5 Antibody [NB100-1681] - Analysis is shown using Affinity Purified anti-p28 ING5 antibody to detect over expressed Human ING5 present in cell extracts. This western blot shows reactivity with purified recombinant human ING5 protein. Comparison to a molecular weight marker (not shown) indicates a single band of 36 kDa corresponding to the expected molecular weight for the recombinant protein. Approximately 10 ug of lysate was separated on a 4-20% Tris-Glycine gel by SDS-PAGE and transferred onto nitrocellulose. After blocking the membrane was probed with the primary antibody diluted to 1:1,500. Incubation was overnight at 4 C followed by washes and reaction with a 1:20,000 dilution of IRDye800 conjugated Rb-a-Goat IgG [H&L] MXHu for 45 min at room temperature.



Western Blot: ING5 Antibody [NB100-1681] - Analysis is shown using Affinity Purified anti-p28 ING5 antibody to detect over expressed Human ING5 present in HeLa cell nuclear extracts. This western blot shows reactivity with purified recombinant TAP tagged human ING5 protein (lane 3) and does not recognize TAP tagged ING4 on the same membrane (lane 2). A mock purification is shown in lane 1. Comparison to a molecular weight marker (not shown) indicates a single band of 45.0 kDa corresponding to the expected molecular weight for the recombinant protein. The blot was incubated with a 1:500 dilution of the antibody at room temperature followed by detection using chemiluminescence reagent with a 5-min exposure time.





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### **Products Related to NB100-1681-100ug**

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NBL1-11993	ING5 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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