

# Product Datasheet

## ING4 Antibody - BSA Free NB100-1682

Unit Size: 0.1 mg

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

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**NB100-1682**

ING4 Antibody - BSA Free

Product Information	
Unit Size	0.1 mg
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	51147
Gene Symbol	ING4
Species	Human
Reactivity Notes	Reactivity occurs against human p29 ING4 protein. The sequence is not present in isoforms 2 (see below). However, 100% homology is on record for this protein from human, dog, rat, and mouse. Cross reactivity with p29 ING4 protein from chimpanzee and chicken sources is also expected based on high homology (one amino acid change in sequence) by BLAST. Reactivity with p29 ING4 proteins from other sources is not known.
Specificity/Sensitivity	Reactivity occurs against human p29 ING4 protein. The sequence is not present in isoforms 2 (see below). However, 100% homology is on record for this protein from human, dog, rat, and mouse. Cross reactivity with p29 ING4 protein from chimpanzee and chicken sources is also expected based on high homology (one amino acid change in sequence) by BLAST. Reactivity with p29 ING4 proteins from other sources is not known.
Immunogen	This affinity purified ING4 Antibody was prepared from whole goat serum produced by repeated immunizations with a synthetic peptide corresponding to an internal region near aa 150-175 of Human ING4 protein (Inhibitor of growth family, member 4). This sequence only shows homology to isoform 1 for ING4. (Uniprot: Q9UNL4)
Product Application Details	
Applications	Western Blot, ELISA
Recommended Dilutions	Western Blot 1:500-1:3000, ELISA 1:3000-1:12000

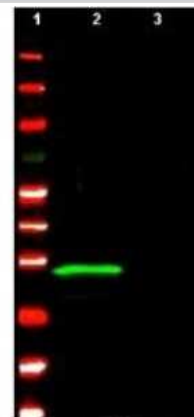


**Application Notes**

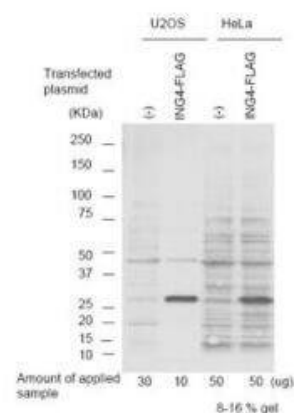
This affinity-purified antibody has been tested for use in ELISA against the immunizing peptide. Specific conditions for western blotting reactivity should be optimized by the end user. Expect a band at approximately 29 kDa in size corresponding to ING4 isoform 1 by western blotting in the appropriate cell lysate or extract.

**Images**

Western Blot: ING4 Antibody [NB100-1682] - Used at 1.0 ug/ml to detect ING4 (lane 2) present in a U2OS whole cell lysate over expressing the protein. A control lysate (lane 3) shows no background staining. Comparison to MW markers (lane 1) indicates detection of a single band at 29 kDa corresponding to ING4. A 4-20% TRIS-glycine gradient gel was used to separate the protein by SDS-PAGE under reducing conditions. The protein was transferred to nitrocellulose using standard methods. After blocking using 5% non-fat dry milk in PBS, the membrane was probed with the primary antibody overnight at 4 C followed by washes and reaction with a 1:20,000 dilution of IRDye800 conjugated Rb-a-Goat IgG [H&L] for 45 min at room temperature.



Anti-p29 ING4 polyclonal antibody detects ING4 protein by western blot in over expressed cell lysates. This antibody was used at 1.0 ug/ml to detect ING4 expression in control (-) and transformed U2OS and HeLa cell lysates. A predominant band corresponding to p29 ING4 is only seen in lysates from transformed cells. Personnel Communication, Motoko Unoki, NCI, NIH.





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### **Products Related to NB100-1682**

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NBL1-11992	ING4 Overexpression Lysate
NBP1-96942	ING4 Antibody Blocking Peptide
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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