

# Product Datasheet

## ERP44 Antibody NB100-93457

Unit Size: 0.1 mg

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

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### Publications: 1

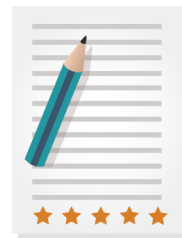
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**NB100-93457**

ERP44 Antibody

**Product Information**

|                                |                                                        |
|--------------------------------|--------------------------------------------------------|
| <b>Unit Size</b>               | 0.1 mg                                                 |
| <b>Concentration</b>           | 0.5 mg/ml                                              |
| <b>Storage</b>                 | Store at -20C. Avoid freeze-thaw cycles.               |
| <b>Clonality</b>               | Polyclonal                                             |
| <b>Preservative</b>            | 0.02% Sodium Azide                                     |
| <b>Isotype</b>                 | IgG                                                    |
| <b>Purity</b>                  | Immunogen affinity purified                            |
| <b>Buffer</b>                  | Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA |
| <b>Target Molecular Weight</b> | 47 kDa                                                 |

**Product Description**

|                    |                                                                                                 |
|--------------------|-------------------------------------------------------------------------------------------------|
| <b>Host</b>        | Goat                                                                                            |
| <b>Gene ID</b>     | 23071                                                                                           |
| <b>Gene Symbol</b> | ERP44                                                                                           |
| <b>Species</b>     | Human                                                                                           |
| <b>Immunogen</b>   | Peptide with sequence C-EQKDSNYRVFER corresponding to internal region according to NP_055866.1. |

**Product Application Details**

|                              |                                                                                                                                                                                                                                                                            |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>          | Western Blot, Peptide ELISA                                                                                                                                                                                                                                                |
| <b>Recommended Dilutions</b> | Western Blot 0.2 - 0.6 ug/mL, Peptide ELISA Detection limit 1:32000                                                                                                                                                                                                        |
| <b>Application Notes</b>     | WB: Approx. 47 kDa band observed in K562 lysates (calculated MW of 47.0 kDa band according to NP_055866.1). An additional band of unknown identity was also consistently observed at 22 kDa. This band was successfully blocked by incubation with the immunizing peptide. |

**Images**

Western Blot: ERP44 Antibody [NB100-93457] - Staining of K562 lysate with antibody at 0.2 ug/mL (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

250kDa  
150kDa  
100kDa  
75kDa  
50kDa  
37kDa  
25kDa  
20kDa  
15kDa


**Publications**

Anelli T, Ceppi S, Bergamelli L et al. Sequential steps and checkpoints in the early exocytic compartment during secretory IgM biogenesis. EMBO J 2007-10-03 [PMID: 17805346]



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### **Products Related to NB100-93457**

|                 |                                                                        |
|-----------------|------------------------------------------------------------------------|
| NBL1-17471      | ERP44 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                                               |

### **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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