

# Product Datasheet

## RAP80 Antibody - BSA Free

### NB100-2346

Unit Size: 100 ul

Store at 4C. Do not freeze.

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**NB100-2346**

RAP80 Antibody - BSA Free

**Product Information**

|                      |                                       |
|----------------------|---------------------------------------|
| <b>Unit Size</b>     | 100 ul                                |
| <b>Concentration</b> | 1.0 mg/ml                             |
| <b>Storage</b>       | Store at 4C. Do not freeze.           |
| <b>Clonality</b>     | Polyclonal                            |
| <b>Preservative</b>  | 0.09% Sodium Azide                    |
| <b>Isotype</b>       | IgG                                   |
| <b>Purity</b>        | Immunogen affinity purified           |
| <b>Buffer</b>        | Tris-Citrate/Phosphate (pH 7.0 - 8.0) |

**Product Description**

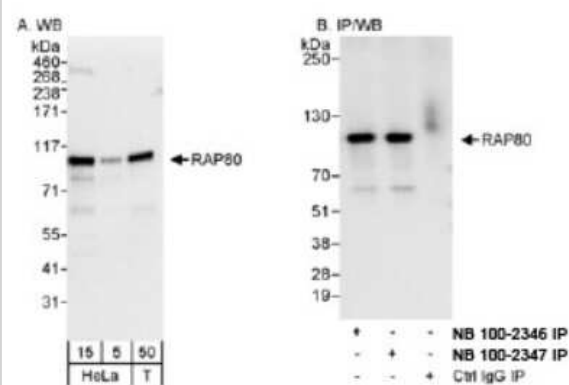
|                    |   |
|--------------------|---|
| <b>Host</b>        | Rabbit  |
| <b>Gene ID</b>     | 51720   |
| <b>Gene Symbol</b> | UIMC1   |
| <b>Species</b>     | Human   |
| <b>Immunogen</b>   | The immunogen recognized by this antibody maps to a region between residue 600 and 650 of human Receptor Associated Protein 80 using the numbering given in entry NP_057374.3 (GeneID 51720). |

**Product Application Details**

|                              |   |
|------------------------------|---|
| <b>Applications</b>          | Western Blot, Immunoprecipitation                                 |
| <b>Recommended Dilutions</b> | Western Blot 1:1000-1:10000, Immunoprecipitation 2-5 ug/mg lysate |

**Images**

Western Blot: RAP80 Antibody [NB100-2346] - Detection of Human RAP80 on HeLa whole cell lysate using NB100-2346. RAP80 was also immunoprecipitated using rabbit anti-RAP80 antibody NB100-2347.



## Publications

Zhu B, Yan K, Li L et al. K63-linked ubiquitination of FANCG is required for its association with the Rap80-BRCA1 complex to modulate homologous recombination repair of DNA interstrand crosslinks. *Oncogene*. 2014-08-18 [PMID: 25132264]

Deng J, Zhang T, Liu F et al. CRL4-DCAF8L2 E3 ligase promotes ubiquitination and degradation of BARD1 *Biochemical and biophysical research communications* [PMID: 35487060]

Hu X, Paul A, Wang B et al. Rap80 protein recruitment to DNA double-strand breaks requires binding to both small ubiquitin-like modifier (SUMO) and ubiquitin conjugates. *J Biol Chem* 2012-07-01 [PMID: 22689573]

Hu X, Kim JA, Castillo A et al. NBA1/MERIT40 and BRE interaction is required for the integrity of two distinct deubiquitinating enzyme BRCC36-containing complexes. *J Biol Chem* 2011-04-01 [PMID: 21282113]

Morris JR, Boutell C, Keppler M et al. The SUMO modification pathway is involved in the BRCA1 response to genotoxic stress. *Nature* 2009-12-01 [PMID: 20016594]

Wang B, Elledge SJ. Ubc13/Rnf8 ubiquitin ligases control foci formation of the Rap80/Abraxas/Brca1/Brcc36 complex in response to DNA damage. *Proc Natl Acad Sci U S A* 2007-12-01 [PMID: 18077395]

Yan J, Kim YS, Yang XP et al. The ubiquitin-interacting motif containing protein RAP80 interacts with BRCA1 and functions in DNA damage repair response. *Cancer Res* 2007-07-01 [PMID: 17621610]

Yan J, Kim YS, Yang XP et al. Ubiquitin-interaction motifs of RAP80 are critical in its regulation of estrogen receptor alpha. *Nucleic Acids Res* 2007-01-01 [PMID: 17311814]





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### **Products Related to NB100-2346**

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|               |   |
|---------------|---|
| HAF008        | Goat anti-Rabbit IgG Secondary Antibody [HRP]       |
| NB7160        | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891    | Rabbit IgG Isotype Control                          |
| NBP1-76829PEP | RAP80 Antibody Blocking Peptide                     |

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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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