

# Product Datasheet

## IL-6 Antibody - BSA Free NBP2-16957

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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Updated 2/23/2025 v.20.1

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**NBP2-16957**

IL-6 Antibody - BSA Free

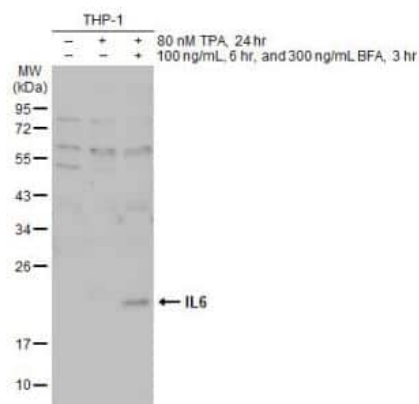
Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.025% Proclin 300
<b>Isotype</b>	IgG
<b>Purity</b>	Antigen Affinity-purified
<b>Buffer</b>	PBS, 20% Glycerol
<b>Target Molecular Weight</b>	24 kDa

Product Description	
<b>Host</b>	Rabbit
<b>Gene ID</b>	3569
<b>Gene Symbol</b>	IL6
<b>Species</b>	Human, Mouse, Rat
<b>Immunogen</b>	Full length human IL-6 Recombinant protein.

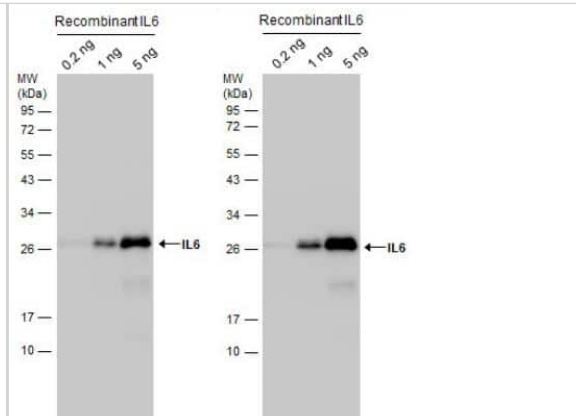
Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000, Immunohistochemistry-Frozen Assay dependent

**Images**

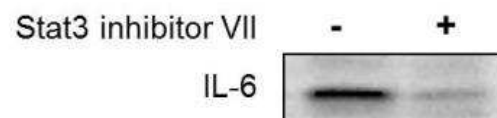
Western Blot: IL-6 Antibody [NBP2-16957] - Untreated (-) and treated (+) THP-1 whole cell extracts (30 ug) were separated by 12% SDS-PAGE, and the membrane was blotted with IL6 antibody diluted at 1:500. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



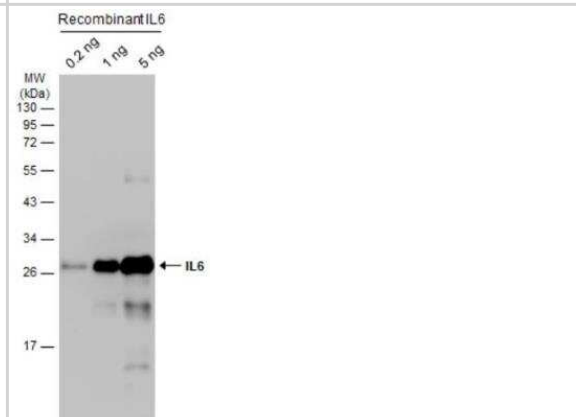
Western Blot: IL-6 Antibody [NBP2-16957] - IL6 antibody detects IL6 recombinant protein by western blot analysis. Various amounts of protein were separated by 12% SDS-PAGE, and the membranes were blotted with IL6 antibody.



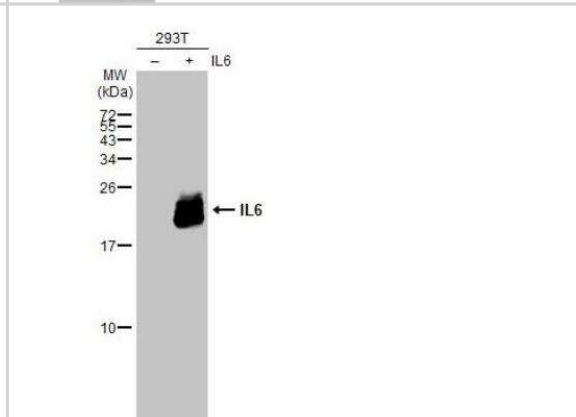
Western Blot: IL-6 Antibody [NBP2-16957] - Human breast cancer cell line MDA-MB-231 was treated by Stat3 inhibitor and expression of IL-6 was detected by Western blot. Image from verified customer review.



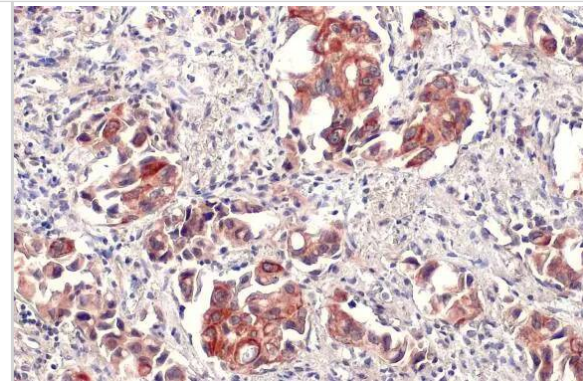
Western Blot: IL-6 Antibody [NBP2-16957] - Recombinant IL6 were separated by 12% SDS-PAGE, and the membrane was blotted with IL6 antibody diluted at 1:2000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



Western Blot: IL-6 Antibody [NBP2-16957] - on-transfected (-) and transfected (+) 293T whole cell extracts (30 ug) were separated by 12% SDS-PAGE, and the membrane was blotted with IL6 antibody diluted at 1:1500. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



Immunohistochemistry-Paraffin: IL-6 Antibody [NBP2-16957] - IL-6 antibody detects IL-6 protein at cell membrane and cytoplasm by immunohistochemical analysis. Sample: Paraffin-embedded human lung cancer. IL-6 stained by IL-6 antibody (NBP2-16957) diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



## Publications

Hu X, Zhang R, Liang H et al. Comparison and Investigation of Exosomes from Human Amniotic Fluid Stem Cells and Human Breast Milk in Alleviating Neonatal Necrotizing Enterocolitis Stem cell reviews and reports 2022-11-16 [PMID: 36385400] (IHC-P, Mouse)

Details:

Dilution used in IHC-P 1:2000

Kuang H, Wang T, Liu L Et Al. Treatment of early brain injury after subarachnoid hemorrhage in the rat model by inhibiting p53-induced ferroptosis Neuroscience letters 2021-07-23 [PMID: 34311053] (WB)

Ahlstrand T, Tuominen H, Beklen A et al. A novel intrinsically disordered outer membrane lipoprotein of *Aggregatibacter actinomycetemcomitans* binds various cytokines and plays a role in biofilm response to interleukin-1beta and interleukin-8. Virulence 2017-02-17 [PMID: 27459270]

Lu H, Chen I, Shimoda LA et al. Chemotherapy-Induced Ca<sup>2+</sup> Release Stimulates Breast Cancer Stem Cell Enrichment Cell Rep. 2017-02-21 [PMID: 28228260] (WB, Human)

Details:

The positive impact of HIF inhibitors on breast cancer chemotherapy is explored through GSTO1 knockdown.

Lee J, Kim YS, Lee J et al. Walnut Phenolic Extract and Its Bioactive Compounds Suppress Colon Cancer Cell Growth by Regulating Colon Cancer Stemness Nutrients 2016-07-26 [PMID: 27455311] (IF/IHC, Human)

Samanta D, Gilkes D, Chaturvedi P, Xiang L, Semenza G. Hypoxia-inducible factors are required for chemotherapy resistance of breast cancer stem cells. Proc Natl Acad Sci U S A. 2014-12-01 [PMID: 25453096] (WB, Human)



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### **Products Related to NBP2-16957**

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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
NBP2-35134-10ug	Recombinant Mouse IL-6 Protein

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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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