

# Product Datasheet

## STAT3 [p Tyr705] Antibody

### NBP2-24463

Unit Size: 0.02 mg

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

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**NBP2-24463****STAT3 [p Tyr705] Antibody**

<b>Product Information</b>	
<b>Unit Size</b>	0.02 mg
<b>Concentration</b>	0.2 mg/ml
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS, 0.05% BSA

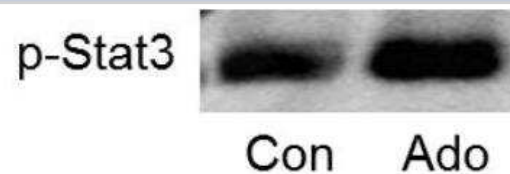
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Rabbit STAT3 [p Tyr705] Antibody (NBP2-24463) is a polyclonal antibody validated for use in WB. Anti-STAT3 Antibody: Cited in 5 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	6774
<b>Gene Symbol</b>	STAT3
<b>Species</b>	Human, Mouse, Rat, Canine, Chicken, Primate
<b>Specificity/Sensitivity</b>	100% homologous in human (isoform CRA_b).
<b>Immunogen</b>	A portion of human STAT3 protein containing a phosphorylated tyrosine residue at position 705 was used as the immunogen for this phospho antibody.

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot
<b>Recommended Dilutions</b>	Western Blot reported by customer review

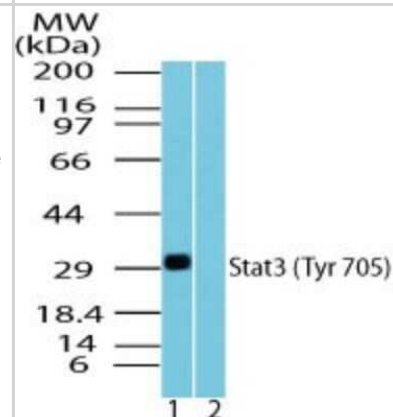


## Images

Western Blot: STAT3 [p Tyr705] Antibody [NBP2-24463] - Human breast cancer MCF7 cells were treated with control (Con) or Adenosine (Ado) and the expression of phospho-Stat3 was detected. Image from verified customer review.



Western Blot: STAT3 [p Tyr705] Antibody [NBP2-24463] - Analysis of STAT3 (Tyr705) in recombinant fusion protein containing 1) a phosphorylated tyrosine at position 705 and 2) an unphosphorylated tyrosine at position 705, using STAT3 phospho antibody at 0.1 ug/mL. Goat anti-rabbit Ig HRP secondary antibody and PicoTect ECL substrate solution were used for this test.



Western Blot: STAT3 [p Tyr705] Antibody [NBP2-24463] - Human breast cancer cells MDA-MB-231 were treated with carboplatin for 72 hours and the expression of p-Stat3 at Y705 and total Stat3 were detected. Image from verified customer review.



## Publications

M Pucci, S Raimondo, O Urzì, M Moschetti, MA Di Bella, A Conigliaro, N Caccamo, MP La Manna, S Fontana, R Alessandro Tumor-Derived Small Extracellular Vesicles Induce Pro-Inflammatory Cytokine Expression and PD-L1 Regulation in M0 Macrophages via IL-6/STAT3 and TLR4 Signaling Pathways International Journal of Molecular Sciences, 2021-11-09;22(22):. 2021-11-09 [PMID: 34829995] (Western Blot, Human)

Doganlar O, Doganlar ZB, Chasan T, Kurtdere AK Prolonged sub-lethal exposure to galaxolide (HHCB) and tonalide (AHTN) promotes the metastatic potential of glioblastoma tumor spheroids Neurotoxicology 2021-10-21 [PMID: 34687775]

Luo Z, Cao P Long noncoding RNA PVT1 promotes hepatoblastoma cell proliferation through activating STAT3 Cancer Manag Res 2019-09-20 [PMID: 31572006] (WB, Human)

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.

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 NBP2-24463**

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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
H00006774-P01-10ug	Recombinant Human STAT3 GST (N-Term) 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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