

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

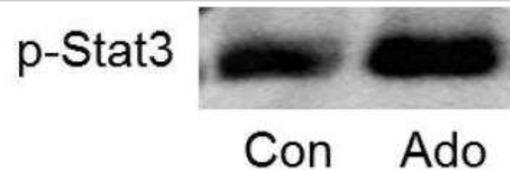
Product Information	
Unit Size	0.02 mg
Concentration	0.2 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS, 0.05% BSA

Product Description	
Host	Rabbit
Gene ID	6774
Gene Symbol	STAT3
Species	Human, Mouse, Rat, Canine, Chicken, Primate
Specificity/Sensitivity	100% homologous in human (isoform CRA_b).
Immunogen	A portion of human STAT3 protein containing a phosphorylated tyrosine residue at position 705 was used as the immunogen for this phospho antibody.

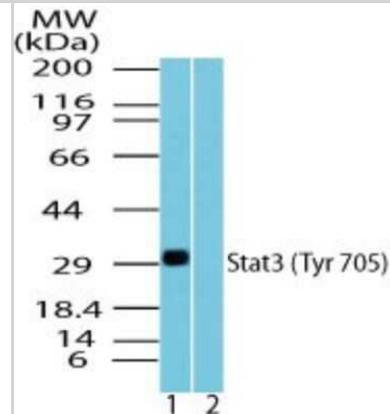
Product Application Details	
Applications	Western Blot
Recommended Dilutions	Western Blot reported by customer review

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]

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 Ca²⁺ 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

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

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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