

Datasheet for ABIN2668937
anti-STAT3 antibody (pTyr705)



[Go to Product page](#)

2 Images

Overview

Quantity:	200 µL
Target:	STAT3
Binding Specificity:	pTyr705
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This STAT3 antibody is un-conjugated
Application:	Western Blotting (WB), Dot Blot (DB)

Product Details

Immunogen:	This STAT3 pTyr705 antibody was raised against a peptide containing phosphorylated Tyr705 of human STAT3.
Purification:	None

Target Details

Target:	STAT3
Alternative Name:	STAT3 (STAT3 Products)
Molecular Weight:	92 kDa
Gene ID:	6774
Pathways:	JAK-STAT Signaling , RTK Signaling , Interferon-gamma Pathway , Neurotrophin Signaling

Target Details

Pathway, Dopaminergic Neurogenesis, Response to Growth Hormone Stimulus, Carbohydrate Homeostasis, Stem Cell Maintenance, Hepatitis C, Protein targeting to Nucleus, Feeding Behaviour, CXCR4-mediated Signaling Events, Signaling of Hepatocyte Growth Factor Receptor

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

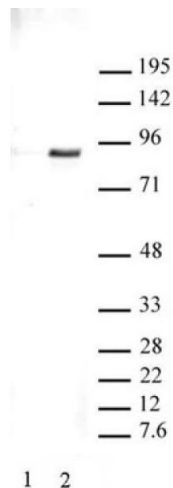
Format:	Liquid
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze/thaw cycles and keep on ice when not in storage.
Storage:	-80 °C
Storage Comment:	Antibodies in solution can be stored at -80 °C for 2 years.
Expiry Date:	6 months

Images



Dot Blot

Image 1. STAT3 phospho Tyr705 pAb tested by dot blot analysis. Dot blot analysis was used to confirm the specificity of STAT3 phospho Tyr705 pAb for STAT3 phospho Tyr705. Phosphorylated peptides corresponding to the immunogen and related peptides were spotted onto PVDF and probed with the antibody at 1:10,000. The amount of peptide (picomoles) spotted is indicated next to each row. Lane 1: Unmodified Ser727 STAT1 peptide. Lane 2: Phospho Ser727 STAT1 peptide. Lane 3: Unmodified Tyr689 STAT2 peptide. Lane 4: Phospho Tyr689 STAT2 peptide. Lane 5: Unmodified Ser727 STAT3 peptide. Lane 6: Phospho



Ser727 STAT3 peptide. Lane 7: Unmodified Tyr705 STAT3 peptide. Lane 8: Phospho Tyr705 STAT3 peptide. Lane 9: Unmodified Ser726 STAT5A/Ser731 STAT5B peptide. Lane 10: Phospho Ser726 STAT5A/Ser731 STAT5B peptide. Lane 11: Unmodified Tyr694 STAT5A/Tyr699 STAT5B peptide. Lane 12: Phospho Tyr694 STAT5A/Tyr699 STAT5B peptide.

Western Blotting

Image 2. STAT3 phospho Tyr705 pAb tested by Western blot. Hep G2 nuclear extract (15 µg per lane) was probed with STAT3 phospho Tyr705 polyclonal antibody (1:2,000).
Lane 1: No treatment. Lane 2: cells stimulated with IL-6 (100 ng/ml for 15 minutes at 37°C).