

Datasheet for ABIN7299462

anti-STAT3 antibody (C-Term, pTyr705)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µL
Target:	STAT3
Binding Specificity:	C-Term, pTyr705
Reactivity:	Human, Mouse, Rat, Cow, Rabbit, Pig, Dog, Sheep
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This STAT3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP)

Product Details

Immunogen:	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human STAT3.
Specificity:	Recognizes endogenous levels of STAT3 (pY705) protein.
Characteristics:	Rabbit polyclonal antibody to STAT3 (pY705)
Purification:	The antibody was purified by immunogen affinity chromatography.

Target Details

Target:	STAT3
Alternative Name:	STAT3 (STAT3 Products)
Background:	APRF, Signal transducer and activator of transcription 3, Acute-phase response factor

Target Details

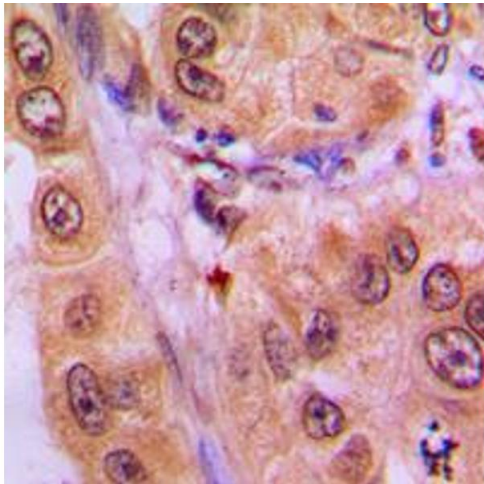
Gene ID:	6774, 20848, 25125
UniProt:	P40763 , P42227 , P52631
Pathways:	JAK-STAT Signaling , RTK Signaling , Interferon-gamma Pathway , Neurotrophin Signaling Pathway , Dopaminergic Neurogenesis , Response to Growth Hormone Stimulus , Carbohydrate Homeostasis , Stem Cell Maintenance , Hepatitis C , Protein targeting to Nucleus , Feeding Behaviour , CXCR4-mediated Signaling Events , Signaling of Hepatocyte Growth Factor Receptor

Application Details

Application Notes:	WB (1:500 - 1:1000), IH (1:100 - 1:200), IP (1:10 - 1:100)
Restrictions:	For Research Use only

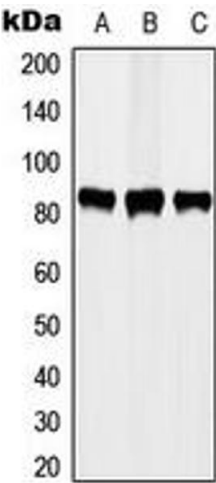
Handling

Format:	Liquid
Buffer:	Liquid in 0.42 % Potassium phosphate, 0.87 % Sodium chloride, pH 7.3, 30 % glycerol, and 0.01 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.
Expiry Date:	12 months



Immunohistochemistry

Image 1. Immunohistochemical analysis of STAT3 (pY705) staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Western Blotting

Image 2. Western blot analysis of STAT3 (pY705) expression in A431 EGF-treated (A), MCF7 (B), HeLa (C) whole cell lysates.