

Datasheet for ABIN1531975
anti-STAT3 antibody (pSer727)



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2 Images

Overview

Quantity:	100 µL
Target:	STAT3
Binding Specificity:	AA 694-743, pSer727
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This STAT3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunoprecipitation (IP)

Product Details

Immunogen:	The antiserum was produced against synthesized peptide derived from human STAT3 around the phosphorylation site of Ser727.
Isotype:	IgG
Specificity:	STAT3 (Phospho-Ser727) Antibody detects endogenous levels of STAT3 only when phosphorylated at Ser727. PhosphorylationH:S727 M:S727 R:S727
Purification:	The antibody was purified from rabbit antiserum by affinity-chromatography using phospho peptide. The antibody against non-phospho peptide was removed by chromatography using corresponding non-phospho peptide.
Purity:	> 95 %

Target Details

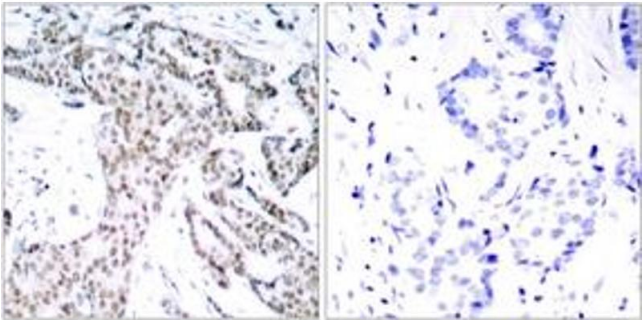
Target:	STAT3
Alternative Name:	STAT3 (STAT3 Products)
Background:	Synonyms: Signal transducer and activator of transcription 3, Acute-phase response factor, STAT3, APRF NCBI Gene Symbol: STAT3
Molecular Weight:	88 kDa
Gene ID:	6774
OMIM:	102582
UniProt:	P40763
Pathways:	JAK-STAT Signaling , RTK Signaling , 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 IHC: 1:50~1:100 ELISA: 1:10000
Comment:	Unigene-Number: Hs.463059 (NCBI Gene Symbol: STAT3)
Restrictions:	For Research Use only

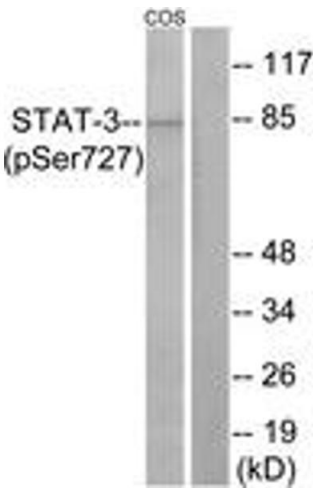
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
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:	Stable at -20°C for at least 1 year.



Immunohistochemistry

Image 1. Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using STAT3 (Phospho-Ser727) Antibody. The picture on the right is treated with the synthesized peptide.



Western Blotting

Image 2. Western blot analysis of extracts from COS7 cells, using STAT3 (Phospho-Ser727) Antibody. The lane on the right is treated with the synthesized peptide.