

## Phospho-STAT3 (Tyr705) Ab

[References\(4\)](#) [Images\(3\)](#)

Cat.#: AF3295                      Concn.: ~1mg/ml                      Mol.Wt.: 86kDa  
Size:                                      Source: Rabbit                          Clonality: Polyclonal

Application:                          WB 1:500-1:2000, IHC 1:50-1:200, IP, IF/ICC 1:100-1:500  
\*The optimal dilutions should be determined by the end user.

Reactivity:                            Human,Mouse,Rat

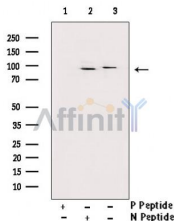
Storage:                                Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.

Purification:                          The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.

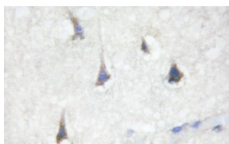
Immunogen:                            A synthesized peptide derived from human STAT3 around the phosphorylation site of Tyr705.

Uniprot:                                 P40763

Description:                            The protein encoded by this gene is a member of the STAT protein family. In response to cytokines and growth factors, STAT family members are phosphorylated by the receptor associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators.



Western blot analysis of extracts from HeLa cells treated with EGF, using Phospho-STAT3 (Tyr705) Ab. The lane on the left was treated with blocking peptide.



Immunohistochemical staining of paraffin embedded mouse brain tissue with purified Phospho-STAT3 (Tyr705) Ab at a working dilution of 1/100. The secondary Ab used is HRP goat anti-rabbit IgG H&L at 1/500. The sample is counter-stained with hematoxylin. Antigen retrieval was performed using Tris-EDTA buffer, pH 9.0.

**IMPORTANT:** For western blot, incubate membrane with diluted primary Ab

in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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