STAT3 (Phospho-Tyr705) Antibody

#11045

Catalog Number: 11045-1, 11045-2

Amount: 50μg/50μl, 100μg/100μl

Swiss-Prot No. :P40763

Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl,0.02% sodium azide and 50% glycerol.

Storage/Stability: Store at -20℃/1 year

Immunogen: The antiserum was produced against synthesized phosphopeptide derived from human STAT3 around the phosphorylation site of tyrosine 705 (A-P-Yp-L-K).

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.

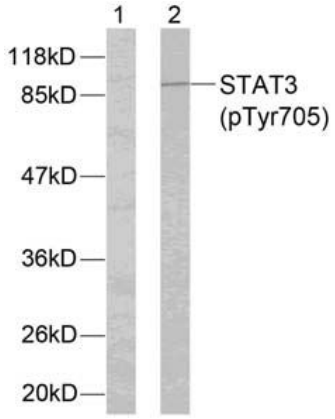
Specificity/Sensitivity: STAT3(Phospho-Tyr705) antibody detects endogenous levels of STAT3 only when phosphorylated at tyrosine 705

Reactivity: Human,Mouse,Rat

Applications:

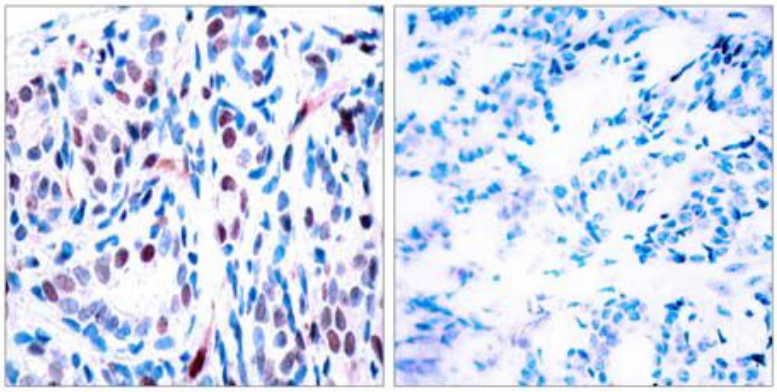
Predicted MW: 88 kd

WB: 1:500~1:2000 IHC: 1:50~1:200



Western blot analysis of extracts from HeLa cells using

STAT3 (phospho-Tyr705) antibody (#11045).



P-Peptide − +

Immunohistochemical analysis of paraffin- embedded

human breast carcinoma tissue using STAT3 (phospho-

Tyr705) antibody (#11045).

Background :

Transcription factor that binds to the interleukin-6 (IL-6)-responsive elements identified in the promoters of various acute-phase protein genes. Activated by IL31 through IL31RA

References：

H Yamaguchi, J Zhu, T Yu, et al. (2006) Low-level bisphenol A increases production of glial fibrillary acidic protein in differentiating astrocyte progenitor cells through excessive STAT3 and Smad1 activation.Toxicology, 226:131-142.

This article references the use of the **#11045** in the following application**s :Western blotting**

Yuan,Lu Qian ,Ming Shi, et al. (2008) HER2-dependent MMP-7 expression is mediated by activated STAT3 Guogang Cellular Signalling, 20:1284–1291

This article references the use of the **#11045** in the following applications :**Western blotting**