

## Anti-pSer780-Stat5a Rabbit Antiserum

Cat# AX553 Price: 0.1 ml - \$350

[Buy this product](#)

### Applications:

\* **Western Blot:** (1:5,000-1:10,000 dilution, 16-20 h incubation for best results)

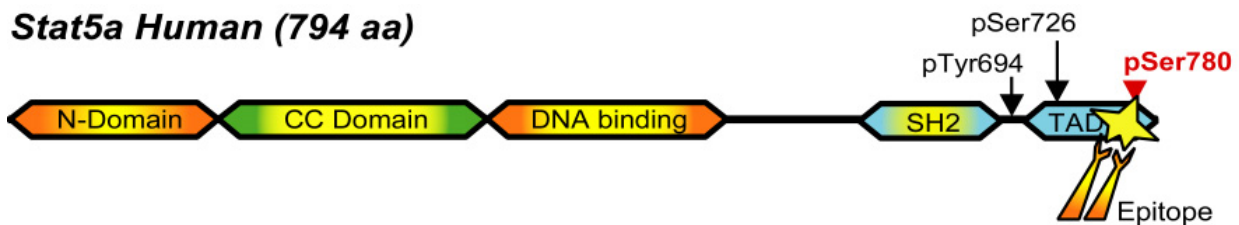
Immunoprecipitation: Not Tested

\* **Supershift analysis:** (1 µl serum in 20-30 µl reaction volume)

Immunohistochemistry: Not Tested

**Brief description of antigen:** Stat5a is a transcription factors activated by peptide hormones, growth factors and cytokines, including growth hormone, prolactin, EPO, TPO, CM-CSF, interleukins, and EGF. Stat5a is critically involved in a variety of physiological functions, including reproduction, lactation, immune function and somatic growth.

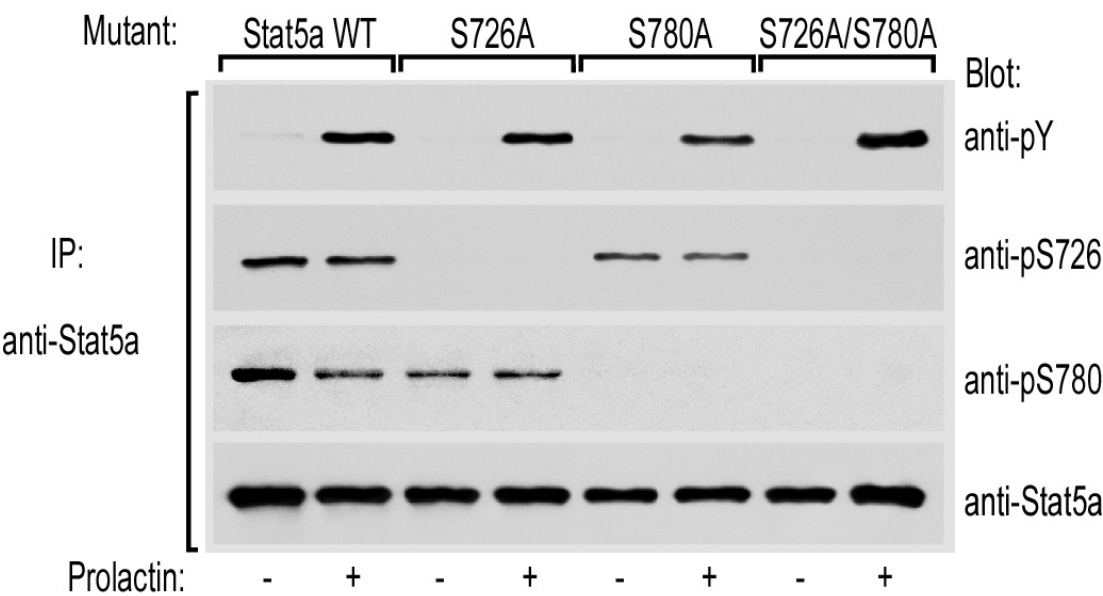
### Stat5a Human (794 aa)



**Immunogen:** Conjugated oligophosphopeptide containing pSer780 and adjacent amino acids

**Immunoreactivity:** Human, mouse, rat

**Western Blotting (Stat5 and mutants expressed and tested in COS-7 cells):**



**References:**

1. Kirken RA, Malabarba MG, Xu J, Liu X, Farrar WL, Hennighausen L, Larner AC, Grimley PM, Rui H. Prolactin stimulates serine/tyrosine phosphorylation and formation of heterocomplexes of multiple Stat5 isoforms in Nb2 lymphocytes. *J. Biol. Chem.* 272, 14098-15003, 1997.
2. Kirken RA, Malabarba MG, Xu J, Erwin RE, DaSilva L, Liu X, Hennighausen L, Rui H, Farrar WL. Two discrete regions of interleukin-2 (IL2) receptor- $\beta$  independently mediate IL2 activation of a PD98059/rapamycin/wortmannin-insensitive Stat5a/b serine kinase. *J. Biol. Chem.*, 272, 15459-15465, 1997.
3. Rui H, Xu J, Dong F, Mehta S, Fang H, Williams J, Grimley PM. Activation of the Jak2-Stat5 signaling pathway in Nb2 lymphoma cells by an anti-apoptotic agent, aurintricarboxylic acid. *J. Biol. Chem.* 273, 28-32, 1998.
4. Yamashita H, Xu J, Erwin RA, Farrar WL, Kirken RA, Rui H. Differential control of the phosphorylation state of proline-juxtaposed serine residues S725 of Stat5a and S730 of Stat5b in prolactin-sensitive cells. *J. Biol. Chem.*, 273; 30218-30224, 1998.
5. Grimley PM, Dong F, Rui H. Stat5a and Stat5b: Fraternal Twins of Signal Transduction and Transcriptional Activation. *Cytokine & Growth Factor Reviews*, 10, 131-157, 1999.

**Pricing**

Description	SKU #	Price
0.1 ml	AX553	350

[Buy this product](#)