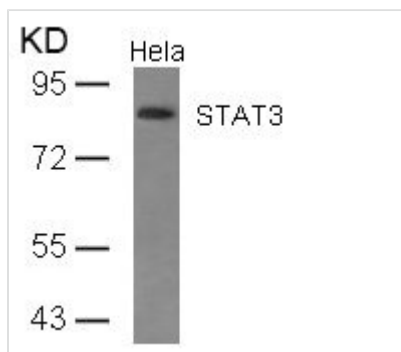




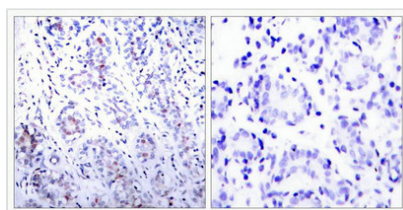
# STAT3 (Ab-727) Antibody

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Code</b>        | CSB-PA088158                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Storage</b>             | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Uniprot No.</b>         | P40763                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Immunogen</b>           | Peptide sequence around aa. 725~729 (P-M-S-P-R) derived from Human STAT3.                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Raised In</b>           | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Species Reactivity</b>  | Human,Mouse,Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Specificity</b>         | The antibody detects endogenous level of total STAT3 protein.                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Tested Applications</b> | ELISA,WB,IHC;WB:1:500-1:1000,IHC:1:50-1:200                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Relevance</b>           | <p>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.</p> <p>Heim M H, (1999) J Recept Signal Transduct Res. 19: 75-120.<br/> Takeda K, et al. (1997) Proc Natl Acad Sci USA. 94: 3801-3804.<br/> Catlett-Falcone R, et al. (1999) Immunity. 10: 105-115.<br/> Garcia R, et al. (1998) J Biomed Sci. 5: 79-85.<br/> Bromberg J F, et al. (1999) Cell. 98: 295-303.</p> |
| <b>Form</b>                | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                                                                                                                                                                                                                                                                                            |
| <b>Purification Method</b> | Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.                                                                                                                                                                                                                                                                                                                           |
| <b>Clonality</b>           | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Alias</b>               | Acute-phase response factor                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Product Type</b>        | Polyclonal Antibody                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Species</b>             | Homo sapiens (Human)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Target Names</b>        | STAT3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

## Image



Western blot analysis of extracts from HeLa cells using STAT3(Ab-727) Antibody.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using STAT3(Ab-727) Antibody(left) or the same antibody preincubated with blocking peptide(right).