

## Product datasheet for **AP23381PU-N**

### STAT3 (C-term) Rabbit Polyclonal Antibody

#### Product data:

|                       |  |
|-----------------------|--|
| Product Type:         | Primary Antibodies   |
| Applications:         | ELISA, WB  |
| Recommended Dilution: | ELISA.<br>Western blotting: 1/1000, incubate membrane with diluted antibody in 5% w/v nonfat dry milk, 1× TBS, 0.05% Tween-20 at 4°C with gentle shaking, overnight.   |
| Reactivity:           | Canine, Hamster, Human, Monkey, Mouse, Rat   |
| Host:                 | Rabbit   |
| Isotype:              | IgG  |
| Clonality:            | Polyclonal   |
| Immunogen:            | synthetic peptide (KLH-coupled) corresponding to the carboxy-terminal residues of Human Stat3  |
| Specificity:          | This antibody detects endogenous levels of total Stat3 protein.  |
| Formulation:          | State: Aff - Purified<br>State: Liquid   |
| Conjugation:          | Unconjugated   |
| Gene Name:            | signal transducer and activator of transcription 3   |
| Database Link:        | <a href="#">Entrez Gene 20848 Mouse</a> <a href="#">Entrez Gene 25125 Rat</a> <a href="#">Entrez Gene 6774 Human P40763</a>  |
| Background:           | The transcription factor, signal transducer and activator of transcription-3 (STAT-3) is the most pleiotropic member of the signal transducer and activator of transcription (STAT) family of transcription factors and mediates pivotal responses for the cytokine family. The mouse STAT3 gene contains 24 exons and spans 30 kb. The translation initiation codon is in exon 2, and the stop codon is in exon 24. STAT3 is mapped to 17q21, it contributes to various physiological processes. Hepatic STAT-3 signaling is thus essential for normal glucose homeostasis and may provide new therapeutic targets for diabetes mellitus. |
| Synonyms:             | STAT-3, Acute-phase response factor, APRF  |
| Note:                 | Molecular Weight: 88 kDa   |
| Protein Families:     | Druggable Genome, Transcription Factors  |



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**Protein Pathways:** Acute myeloid leukemia, Adipocytokine signaling pathway, Chemokine signaling pathway, Jak-STAT signaling pathway, Pancreatic cancer, Pathways in cancer