

CPTC-STAT6-1 (CAB080400)

Uniprot ID: [P42226](#)

Protein name: STAT6_HUMAN

Full name: Signal transducer and activator of transcription 6

Function: Carries out a dual function: signal transduction and activation of transcription. Involved in IL4/interleukin-4- and IL3/interleukin-3-mediated signaling.

Subcellular location:

Cytoplasm

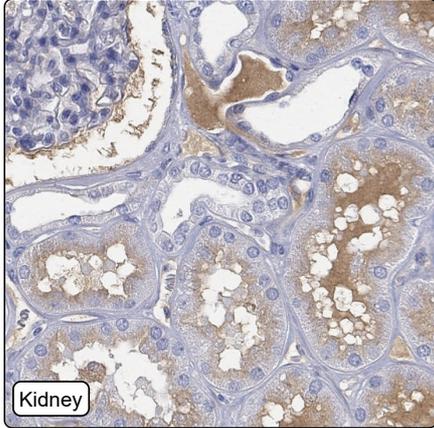
Nucleus

NOTE: Translocated into the nucleus in response to phosphorylation.

Protein existence: Experimental evidence at protein level

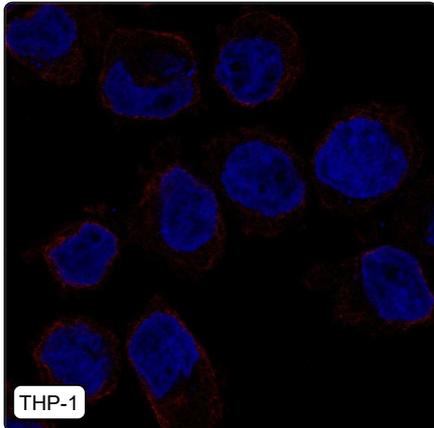
Comment: IF: unspecific staining in U2OS - thereby excluded./Charlotte

Immunohistochemistry



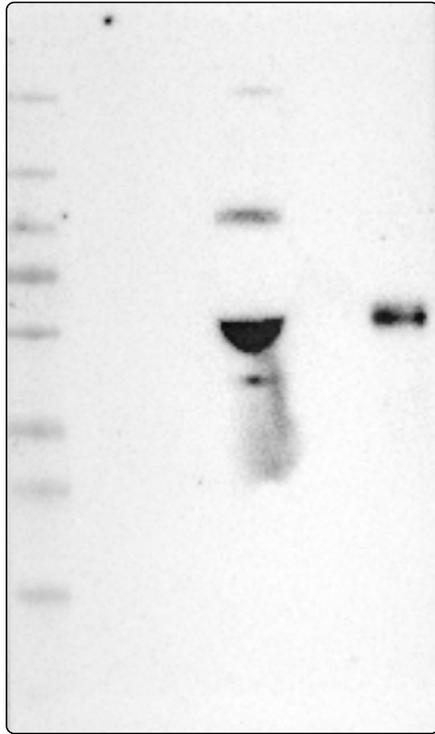
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|---------------------------------|--|
| IHC protocol: | HIER pH6, Dilution 1:600 |
| IHC test staining: | Plasma positivity was observed. Some cp positivity was observed in a subset of immune cells. |
| Literature conformance: | Not consistent with gene/protein characterization data |
| Literature significance: | |
| RNA similarity: | Very low consistency between antibody staining and RNA expression data |
| RNA tissue specificity: | Low tissue specificity |
| RNA tissue distribution: | Detected in all |
| IHC Sibling similarity: | Other antibody shows dissimilar IHC staining pattern |

Immunofluorescence



| | |
|--|--|
| IF Overlay: | antibody (green), anti-tubulin (red) and DAPI (blue) |
| IF main location: | |
| IF additional location: | |
| IF approved for publication on HPA: | No |
| IF in THP-1: | Negative |

Western blot



| | |
|--------------------------------|---|
| WB Size markers (kDa): | 250, 130, 100, 70, 55, 35, 25, 15, 10 |
| WB Lanes: | Marker (1), RT-4 (2), U-251MG (3), Plasma (4), Liver (5), Tonsil (6) |
| WB Target weight (kDa): | 7, 8, 12, 16, 17, 17, 18, 18, 82, 82, 89, 94, 94, 94, 94, 96 |
| WB Validation: | Uncertain (Weak band of predicted size but with additional bands of higher intensity also present.) |