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# Anti-STAT6 (Phospho-Y641) Antibody

Catalog # AP60056

## Product Information

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|---|---|
| **Application** | WB, IHC |
| **Primary Accession** | P42226 |
| **Reactivity** | Human, Mouse, Rat, Rabbit, Pig, Bovine, Dog, Sheep, Mk |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 94135 |

## Additional Information

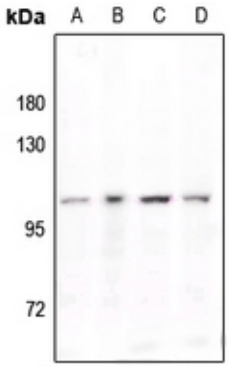
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|---|---|
| **Gene ID** | 6778 |
| **Other Names** | Signal transducer and activator of transcription 6; IL-4 Stat |
| **Target/Specificity** | KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding Y641 of human STAT6 protein. The exact sequence is proprietary. |
| **Dilution** | WB~~WB (1/500 - 1/1000), IHC (1/100 - 1/200), IP (1/10 - 1/100) IHC~~WB (1/500 - 1/1000), IHC (1/100 - 1/200), IP (1/10 - 1/100) |
| **Format** | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. |
| **Storage** | Store at -20 °C.Stable for 12 months from date of receipt |

## Protein Information

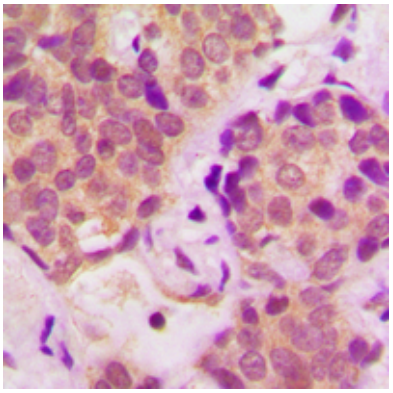
| | |
|---|---|
| **Name** | STAT6 |
| **Function** | Carries out a dual function: signal transduction and activation of transcription. Involved in IL4/interleukin-4- and IL3/interleukin-3-mediated signaling. |
| **Cellular Location** | Cytoplasm. Nucleus. Note=Translocated into the nucleus in response to phosphorylation |

## Images

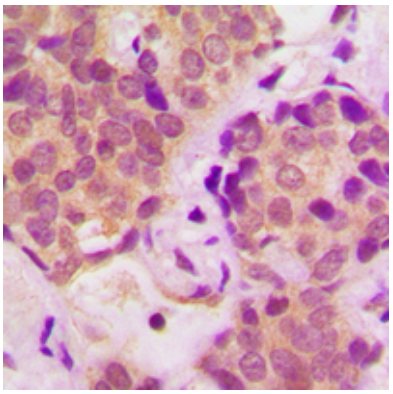
Western blot analysis of STAT6 (Phospho-Y641) expression in PC12 (A), SKOVCAR3 (B), A2780 (C), Hela (D) whole cell lysates. (Predicted band size: 94 kD; Observed




band size: 110 kD)



Immunohistochemical analysis of STAT6 (Phospho-Y641) staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunohistochemical analysis of STAT6 (pY641) staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.