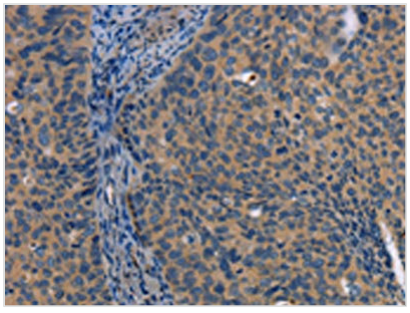
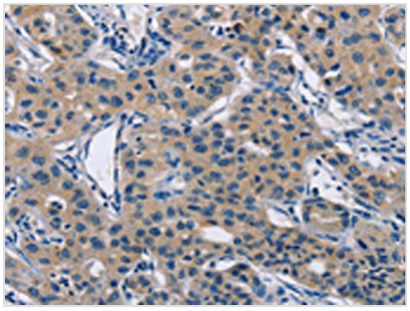
# LATS1 Antibody

| | |
|---|---|
| **Product Code** | CSB-PA830665 |
| **Storage** | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze. |
| **Uniprot No.** | O95835 |
| **Immunogen** | Fusion protein of Human LATS1 |
| **Raised In** | Rabbit |
| **Species Reactivity** | Human |
| **Tested Applications** | ELISA,IHC;ELISA:1:2000-1:5000,IHC:1:25-1:100 |
| **Relevance** | The protein encoded by this gene is a putative serine/threonine kinase that localizes to the mitotic apparatus and complexes with cell cycle controller CDC2 kinase in early mitosis. The protein is phosphorylated in a cell-cycle dependent manner, with late prophase phosphorylation remaining through metaphase. The N-terminal region of the protein binds CDC2 to form a complex showing reduced H1 histone kinase activity, indicating a role as a negative regulator of CDC2/cyclin A. In addition, the C-terminal kinase domain binds to its own N-terminal region, suggesting potential negative regulation through interference with complex formation via intramolecular binding. Biochemical and genetic data suggest a role as a tumor suppressor. This is supported by studies in knockout mice showing development of soft-tissue sarcomas, ovarian stromal cell tumors and a high sensitivity to carcinogenic treatments. |
| **Form** | Liquid |
| **Conjugate** | Non-conjugated |
| **Storage Buffer** | -20°C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol |
| **Purification Method** | Antigen affinity purification |
| **Isotype** | IgG |
| **Species** | Homo sapiens (Human) |
| **Target Names** | LATS1 |
| **Image** |  The image on the left is immunohistochemistry of paraffin-embedded Human cervical cancer tissue using CSB-PA830665(LATS1 Antibody) at dilution 1/25, on the right is treated with fusion protein. (Original magnification: ×200) |



The image on the left is immunohistochemistry of paraffin-embedded Human lung cancer tissue using CSB-PA830665(LATS1 Antibody) at dilution 1/25, on the right is treated with fusion protein. (Original magnification: ×200)