For research purposes only, not for human use

# Product Data Sheet

# Anti-ELK1 (Phospho-S389) Antibody

| Catalog # | Source | Reactivity | Applications |
|---|---|---|---|
| CPA1384 | Rabbit | H, M, R, Mk | WB, IH, IP |

| | |
|---|---|
| **Description** | Rabbit polyclonal antibody to ELK1 (Phospho-S389) |
| **Immunogen** | KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding S389 of human ELK1 protein. The exact sequence is proprietary. |
| **Purification** | The antibody was purified by immunogen affinity chromatography. |
| **Specificity** | Recognizes endogenous levels of ELK1 protein only when phosphorylated at S389. |
| **Clonality** | Polyclonal |
| **Conjugation** | |
| **Form** | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. |
| **Dilution** | WB (1/500 - 1/1000), IH (1/100 - 1/200), IP (1/10 - 1/100) |
| **Gene Symbol** | ELK1 |
| **Alternative Names** | ETS domain-containing protein Elk-1 |
| **Entrez Gene** | 2002 (Human); 13712 (Mouse) |
| **SwissProt** | P19419 (Human); P41969 (Mouse) |
| **Storage/Stability** | Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles. |

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference
**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish


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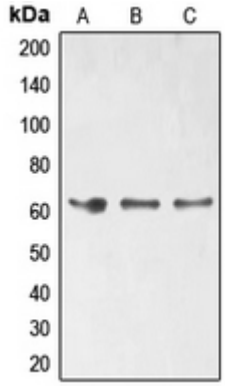
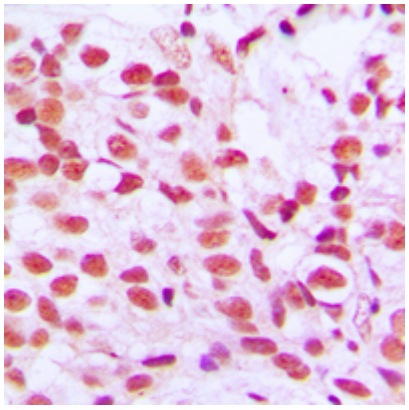



Western blot analysis of ELK1 (Phospho-S389) expression in HT29 (A), HeLa (B), Jurkat (C) whole cell lysates. (Predicted band size: 44 kD; Observed band size: 45 kD)



Immunohistochemical analysis of ELK1 (Phospho-S389) 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.

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