# Product Datasheet

## SUMO1 Rabbit Polyclonal Antibody (orb214713)

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| **Catalog Number** | orb214713 |
| **Category** | Antibodies |
| **Description** | The SUMO1 Antibody is suitable for IF, IHC, WB. It is a Polyclonal, Unconjugated antibody which raised against KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human SUMO1. The exact sequence is proprietary. Purification: The antibody was purified by immunogen affinity chromatography. |
| **Target** | SUMO1 |
| **Clonality** | Polyclonal |
| **Species/Host** | Rabbit |
| **Conjugation** | Unconjugated |
| **Reactivity** | Bovine, Canine, Human, Monkey, Mouse, Porcine, Rat |
| **Form/Appearance** | Liquid |
| **Buffer/Preservatives** | 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. |
| **Purification** | The antibody was purified by immunogen affinity chromatography. |
| **Immunogen** | KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human SUMO1. The exact sequence is proprietary. |
| **UniProt ID** | **P63165**, **P63166**, **Q5I0H3** |
| **Tested applications** | IF, IHC, WB |
| **Dilution range** | WB: 1-500-1-1000, IHC-P: 1-100-1-200, IF/ICC: 1-100-1-500 |

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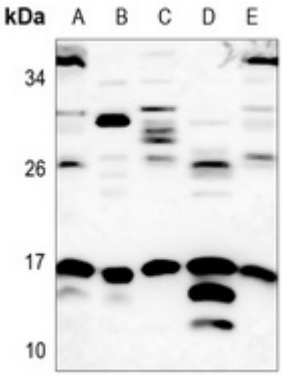
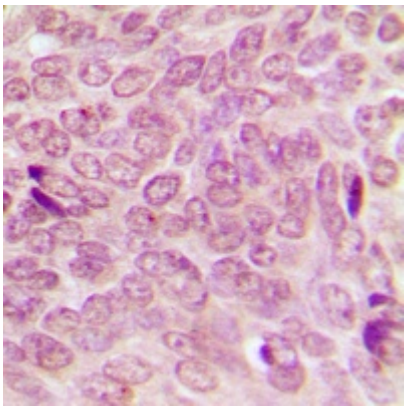
|---|---|
| **Specificity** | Recognizes endogenous levels of SUMO1 protein. |
| **Antibody Type** | Primary Antibody |
| **Storage** | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| **Note** | For research use only |
| **Entrez** | **22218**, **7341**, **301442** |
| **Expiration Date** | 12 months from date of receipt. |




Western blot analysis of SUMO1 expression in PC12 (A), mouse kidney (B), mouse spleen (C), rat kidney (D), rat spleen (E) whole cell lysates. (Predicted band size: 11 kD; Observed band size: 17 kD)



Immunohistochemical analysis of SUMO1 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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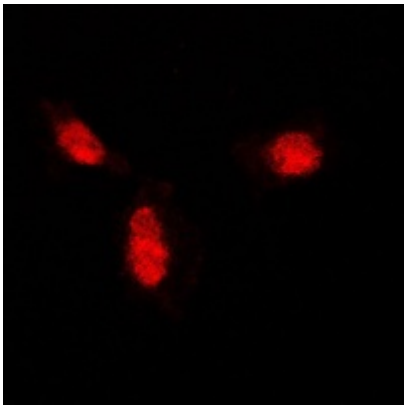

Immunofluorescent analysis of SUMO1 staining in A431 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

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