

SUMO-1 PAB**SUMO-1 Polyclonal Antibody****Cat. #:** 21236**Gene Symbol:** SUMO1**Description:** Anti-SUMO-1 Rabbit polyclonal Antibody

Background: Small Ubiquitin-like Modifier or SUMO proteins are a family of small proteins that are covalently attached to and detached from other proteins in cells to modify their function. SUMOylation is a post-translational modification involved in various cellular processes, such as nuclear-cytosolic transport, transcriptional regulation, apoptosis, protein stability, response to stress, and progression through the cell cycle. There are 3 confirmed SUMO isoforms in humans: SUMO-1, SUMO-2 and SUMO-3. SUMO-2 and -3 show a high degree of similarity to each other and are distinct from SUMO-1.

Immunogen: A synthetic peptide corresponding to residues near the C-terminal of human SUMO-1.

Applications: ELISA, WB, IHC, IP

Recommended Dilutions:

ELISA: 1:1000-1:5000

WB: 1:100-1:1000

IHC: 1:50-1:100

Concentration: 1 mg/ml

Host Species: Rabbit

Format: Liquid

Clonality: Polyclonal

Isotype: IgG

Purity: Purified from serum

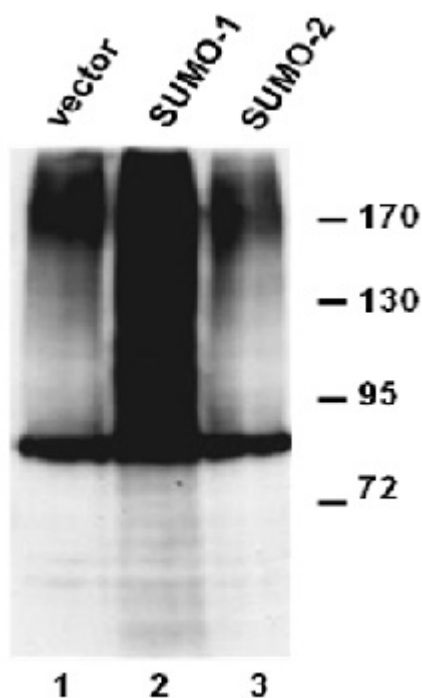
Preservative: No

Constituents: PBS (without Mg^{2+} and Ca^{2+}), pH 7.4, 150 mM NaCl, 50% glycerol

Species Reactivity: Detects SUMO-1 but not SUMO-2/3 from vertebrates.

Storage Conditions: Store at $-20^{\circ}C$. Avoid repeated freezing and thawing

Western blot:



WB:anti-SUMO-1 pAb

Western blot analysis of over-expressed SUMO-1 proteins.

HEK293 cells were transfected with SUMO-1 (lane 2) and SUMO-2 (lane 3) cDNAs and control empty vector (lane 1). Cell lysates were blotted with Anti-SUMO-1 rabbit polyclonal antibody (Cat. # 21236).