Affinity Biosciences

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SUMO3 Ab

Images(1)

Cat.#: DF7185 Concn.: ~1mg/ml Mol.Wt.: 12kDa
Size: Source: Rabbit Clonality: Polyclonal

Application: WB 1:1000-1:2000, IHC 1:100-1:300

*The optimal dilutions should be determined by the end user.

Reactivity: Human, Mouse, Rat

Storage: Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02%

sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from

date of receipt.

Purification: The antiserum was purified by peptide affinity chromatography using

SulfoLinkTM Coupling Resin (Thermo Fisher Scientific).

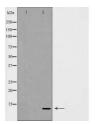
Immunogen: A synthesized peptide derived from human SUMO3, corresponding to a

region within C-terminal amino acids.

Uniprot: P55854

Description: Small ubiquitin-related modifier 1, 2 and 3 (SUMO-1, -2 and -3) are

members of the ubiquitin-like protein family . The covalent attachment of the SUMO-1, -2 or -3 (SUMOylation) to target proteins is analogous to ubiquitination. This post-translational modification is a reversible, multistep process that is initiated by cleaving a precursor protein to a mature protein. Mature SUMO-1, -2 or -3 is then linked to the activating enzyme E1, conjugated to E2 and in conjunction with E3, SUMO-1, -2 or -3 is ligated to the target protein . Ubiquitin and the individual SUMO family members are all targeted to different proteins with diverse biological functions. Ubiquitin predominantly regulates degradation of its target .



Western blot analysis of extracts from MCF7, using SUMO3 Ab. The lane on the left was treated with the antigen-specific peptide.

<code>IMPORTANT:</code> For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween\$20 at 4° C with gentle shaking, overnight.

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