

Anti-FLIP (human) Monoclonal Antibody (7F10)

Catalog Number: M01295

About CFLAR

The small ubiquitin-related modifier (SUMO) proteins, which include SUMO-1, 2 and 3, belong to the ubiquitin-like protein family. Like ubiquitin, the SUMO proteins are synthesized as precursor proteins that undergo processing before conjugation to target proteins. Also, both utilize the E1, E2 and E3 cascade enzymes for conjugation. However, SUMO and ubiquitin differ with respect to targeting. Ubiquitination predominantly targets proteins for degradation, whereas sumoylation targets proteins to a variety of cellular processing, including nuclear transport, transcriptional regulation, apoptosis and protein stability. The unconjugated SUMO-1, 2 and 3 proteins localize to the nuclear membrane, nuclear bodies and cytoplasm, respectively. SUMO-1 utilizes Ubc9 for conjugation to several target proteins, which include MDM2, p53, PML and RanGap1. SUMO-2 and 3 contribute to a greater percentage of protein modification than does SUMO-1 and unlike SUMO-1, they can form polymeric chains. In addition, SUMO-3 regulates beta-Amyloid generation and may be critical in the onset or progression of Alzheimer's disease.

Overview

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| Product Name | Anti-FLIP (human) Monoclonal Antibody (7F10) |
| Reactive Species | Human |
| Description | Mouse Monoclonal 7F10 antibody for CFLAR detection. Tested positive for ELISA, Flow Cytometry, IHC, WB in Human |
| Conjugate | Biotin |
| Application | ELISA, IHC |
| Clonality | Monoclonal 7F10 |
| Formulation | Liquid. In PBS, pH 7.2, containing 50% glycerol and 0.09% sodium azide. |
| Storage Instructions | Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles. |
| Host | Mouse |
| Uniprot ID | O15519 |

Technical Details

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| Immunogen | Recombinant human FLIP. |
| Predicted Reactive Species | Bovine, Canine, Mouse, Orangutan, Pig, Rabbit, Rat, Deer |
| Cross Reactivity | Does not cross-react with primate, avian or amphibian GR. |
| Isotype | IgG1, kappa |
| Form | Liquid. In PBS, pH 7.2, containing 50% glycerol and 0.09% sodium azide. |

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| Concentration | 0.5-1mg/ml, actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure. |
| Purification | Protein G-affinity purified. |
| Suggested Dilutions | <p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Western Blot (1:500)</p> <p>Suggested dilutions/conditions may not be available for all applications.</p> <p>Optimal conditions must be determined individually for each application.</p> |

Anti-FLIP (human) Monoclonal Antibody (7F10) (M01295) Images

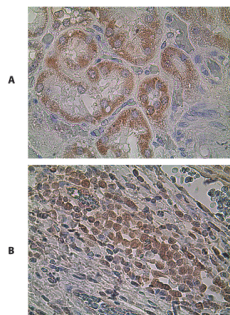


Figure 1. IHC analysis of CFLAR using anti-CFLAR antibody (M01295).

CFLAR was detected in paraffin-embedded section. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-CFLAR Antibody (M01295) overnight at 4°C. Biotinylated goat anti Mouse IgG antibody was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC)(Catalog # SA1021) with DAB as the chromogen.

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