Monoclonal Antibody to Ubinuclein 1
Purified Antibody (0.1 mg)

Clone: UBN1-02
Isotype: Mouse IgG
Specificity: The antibody UBN1-02 recognizes N-terminal part of ubinuclein 1 (UBN1), a widely expressed nuclear and adhesion complex protein. Western blotting analysis reveals UBN1 as a 165 kDa band.

Regulatory Status: RUO
Immunogen: Recombinant protein corresponding to amino acids 1-190 of ubinuclein 1.
Species Reactivity: Human, Other species Not tested
Application: Immunoprecipitation
Western Blotting
Recommended dilution: 1-5 µg/ml
Positive control: HeLa cell line

Purity: > 95% (by SDS-PAGE)
Purification: Purified by protein-A affinity chromatography
Concentration: 1 mg/ml
Storage Buffer: Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4
Storage / Stability: Store at 2-8°C. Do not freeze. Do not use after expiration date stamped on vial label.

Expiration: See vial label
Lot Number: See vial label

Background: Ubinuclein 1 (UBN1) is a ubiquitously expressed evolutionarily conserved protein which binds to proliferation-promoting genes that are repressed by formation of senescence-associated heterochromatin foci (SAHF). Ubinuclein 1 associates with various transcription factors and with histone methyltransferase activity, is indispensable for SAHF formation and appears to be a regulator of senescence. Although in most cells ubinuclein is localized to the nucleus, in cells forming tight junctions it is recruited to the cell adhesion complexes, dependently on the cell density.

References: