

Ubinuclein 1 / ubinuclein 2 Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3797a**Specification**

Ubinuclein 1 / ubinuclein 2 Antibody (internal region) - Product Information

Application	WB
Primary Accession	Q9NPG3
Other Accession	NP_058632.2 , 29855 , 170644 (mouse) , 302935 (rat)
Reactivity	Human
Predicted	Mouse, Rat, Zebrafish, Pig, Dog, Cow
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	121520

Ubinuclein 1 / ubinuclein 2 Antibody (internal region) - Additional Information**Gene ID** 29855**Other Names**

Ubinuclein-1, HIRA-binding protein, Protein VT4, Ubiquitously expressed nuclear protein, UBN1

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Ubinuclein 1 / ubinuclein 2 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

Ubinuclein 1 / ubinuclein 2 Antibody (internal region) - Protein Information**Name** UBN1**Function**

Acts as a novel regulator of senescence. Involved in the formation of senescence-associated heterochromatin foci (SAHF), which represses expression of proliferation-promoting genes. Binds to proliferation-promoting genes. May be required for replication- independent chromatin assembly.

Cellular Location

Nucleus, nucleoplasm. Nucleus, PML body. Cell junction, tight junction. Note=Localized as a nuclear speckled-like pattern in proliferating primary fibroblasts. Colocalizes with HIRA, PML and SP100 in PML bodies of senescent cells. Colocalizes with TJP1 and CLDN1. Detected along the upper granular cell layer of epidermis When overexpressed, accumulates in the nucleus in cells showing defective cytokinesis

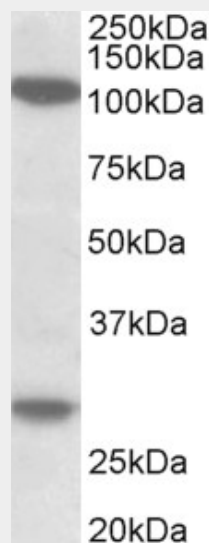
Tissue Location

Ubiquitous. Also expressed in numerous tumors and cancer cell lines.

Ubinuclein 1 / ubinuclein 2 Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Ubinuclein 1 / ubinuclein 2 Antibody (internal region) - Images

AF3797a (1 µg/ml) staining of MOLT4 lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Ubinuclein 1 / ubinuclein 2 Antibody (internal region) - Background

Reported variants represent identical protein: NP_058632.2, NP_001072982.1.

Ubinuclein 1 / ubinuclein 2 Antibody (internal region) - References

The nuclear and adherent junction complex component protein ubinuclein negatively regulates the productive cycle of Epstein-Barr virus in epithelial cells. Gruffat H, Lupo J, Morand P, Boyer V, Manet E. J Virol. 2011 Jan;85(2):784-94. PMID: 21084479