

Mouse Anti-Nucleolin [364-5]: MC0892, MC0892RTU7

Intended Use: For Research Use Only

Description: Nucleolin is the major nucleolar protein of growing eukaryotic cells. It is found associated with intranucleolar chromatin and pre-ribosomal particles. It induces chromatin decondensation by binding to histone H1. It is thought to play a role in pre-rRNA transcription and ribosome assembly. May play a role in the process of transcriptional elongation. Binds RNA oligonucleotides with 5'-UUAGGG-3' repeats more tightly than the telomeric single-stranded DNA 5'-TTAGGG-3' repeats.

Specifications

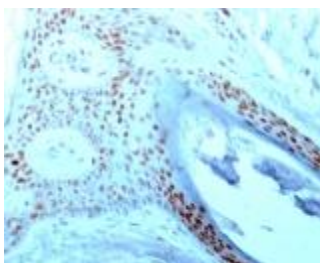
Clone: 364-5
 Source: Mouse
 Isotype: IgG1k
 Reactivity: Human
 Localization: Nucleus
 Formulation: Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)
 Storage: Store at 2°- 8°C
 Applications: IHC, Flow Cyt., ICC/IF, IP, WB
 Package:

| Description | Catalog No. | Size |
|------------------------|-------------|------|
| Nucleolin Concentrated | MC0892 | 1 ml |
| Nucleolin Prediluted | MC0892RTU7 | 7 ml |

IHC Procedure*

Positive Control Tissue: HCC
 Concentrated Dilution: 100-300
 Pretreatment: Citrate pH6.0 or EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
 Incubation Time and Temp: 30-60 minutes @ RT
 Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human skin stained with anti-Nucleolin using DAB

References:

1. Cell-surface nucleolin acts as a central mediator for carcinogenic, anti-carcinogenic, and disease-related ligands. Fujiki H, Watanabe T, Suganuma M. J Cancer Res Clin Oncol. 140(5):689-99, 2014.
2. Overexpression of nucleolin and different expression sites both related to the prognosis of gastric cancer. Qiu W, et al. APMIS. 121(10):919-25, 2013.