

Musashi 1 Rabbit mAb

Catalog No: #48764



Package Size: #48764-1 50ul #48764-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

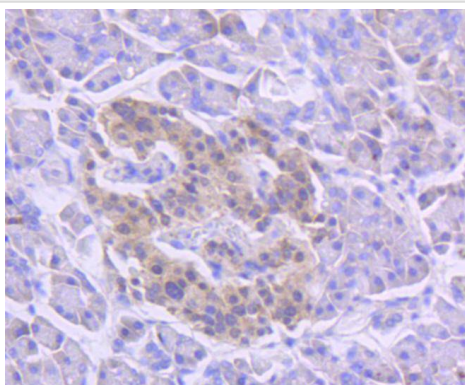
Description

Product Name	Musashi 1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SJ201
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, IP, FC
Species Reactivity	Hu
Immunogen Description	recombinant protein
Other Names	Msi 1 antibody Msi1 antibody MSI1H_HUMAN antibody Musashi homolog 1 antibody Musashi-1 antibody Musashi1 antibody RNA binding protein Musashi homolog 1 antibody RNA-binding protein Musashi homolog 1 antibody
Accession No.	Swiss-Prot#:O43347
Calculated MW	39 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

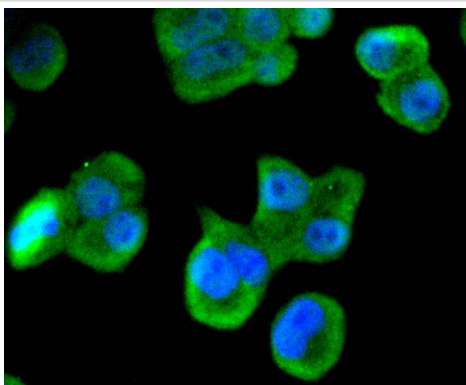
Application Details

WB: 1:1000 IHC: 1:50-1:200 ICC: 1:50-1:200FC: 1:50-1:200

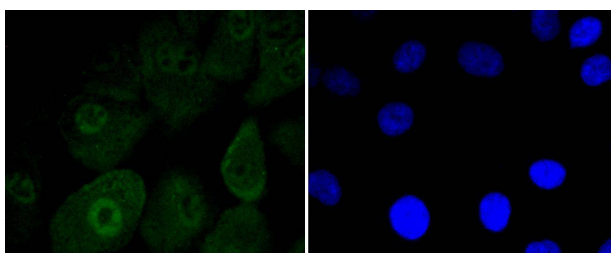
Images



Immunohistochemical analysis of paraffin-embedded human pancreas tissue using anti-Musashi 1 antibody. Counter stained with hematoxylin.



ICC staining Musashi 1 in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Musashi 1 in A549 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Background

Musashi1 (Msi1) is an RNA-binding protein expressed in neural progenitor cells and neural stem cells. Msi1 is the mammalian homolog of *Drosophila* Musashi. The gene encoding human Msi1 encodes a 362 amino acid protein. In murine embryonic neural progenitor cells, Msi1 localizes to the cytoplasm and is downregulated during differentiation. Msi1 binds to NUMB, which encodes a membrane-associated antagonist of Notch signaling. Msi1 appears to function in the proliferation and maintenance of stem cell populations of the central nervous system. In addition to its usefulness as a marker for neural progenitor cells in normal human brains, Msi1 is also a marker for human gliomas. In rats, Msi1 is expressed in Sertoli cells of the testis and granulosa cells of the ovary.

References

1. Hrdlickova O, R et al. Multiple tumor suppressor microRNAs regulate telomerase and TCF7, an important transcriptional regulator of the Wnt pathway. *PLoS One* 9:e86990 (2014).
2. Femia AP et al. Expression of LGR-5, MSI-1 and DCAMKL-1, putative stem cell markers, in the early phases of 1,2-dimethylhydrazine-induced rat colon carcinogenesis: correlation with nuclear β -catenin. *BMC Cancer* 13:48 (2013).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.