Product Datasheet

MSI2 Rabbit mAb

Catalog No: #48916

Package Size: #48916-1 50ul #48916-2 100ul

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

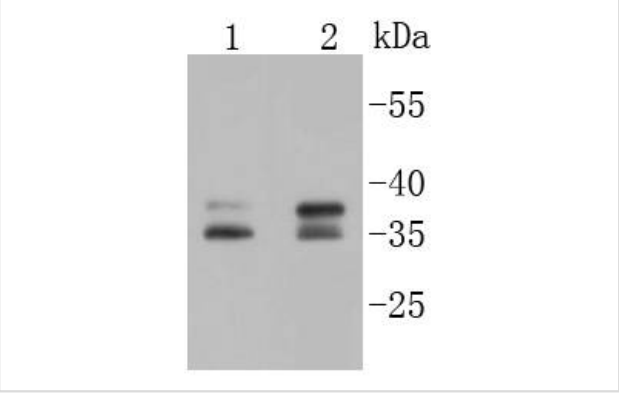
Description

Product Name	MSI2 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	ST59-02
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	FLJ36569 antibody MGC3245 antibody Msi2 antibody MSI2/HOXA9 fusion gene, included antibody MSI2H antibody MSI2H_HUMAN antibody Musashi 2 antibody Musashi homolog 2 antibody Musashi RNA binding protein 2 antibody Musashi, Drosophila, homolog of, 2 antibody Musashi-2 antibody RNA binding protein Musashi homolog 2 antibody RNA-binding protein Musashi homolog 2 antibody WD 40 repeat protein MSI2 antibody
Accession No.	Swiss-Prot#:Q96DH6
Uniprot	Q96DH6
GeneID	124540;
Calculated MW	35/37 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

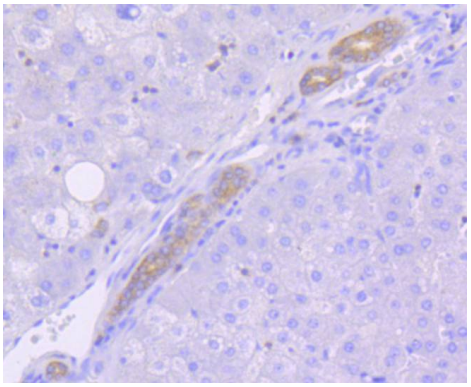
Application Details

WB: 1:1,000 IHC: 1:50-1:200 ICC: 1:50-1:200FC: 1:50-1:100

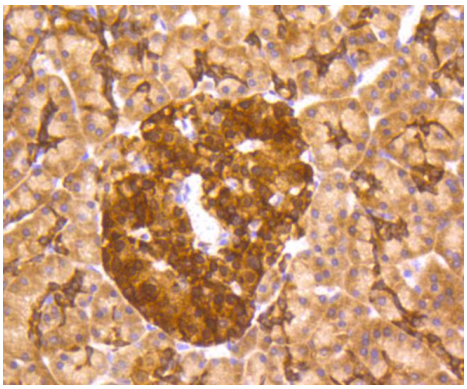
Images



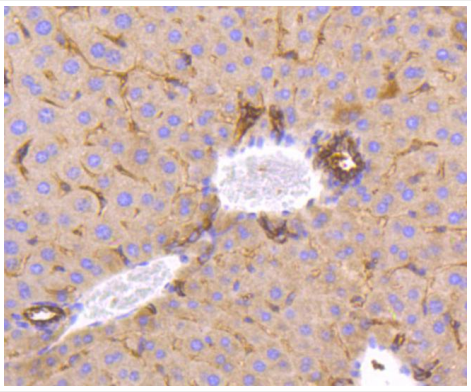
Western blot analysis of MSI2 on different lysates using anti-MSI2 antibody at 1/1,000 dilution. Positive control:
Lane 1: Lovo
Lane 2: PC-12



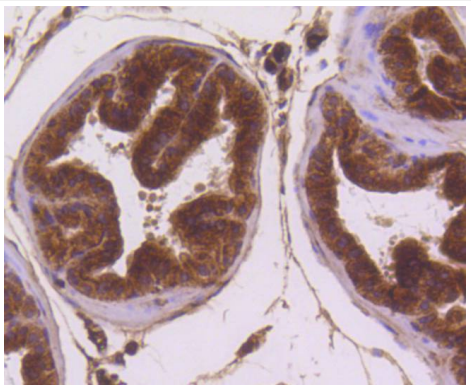
Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-MSI2 antibody. Counter stained with hematoxylin.



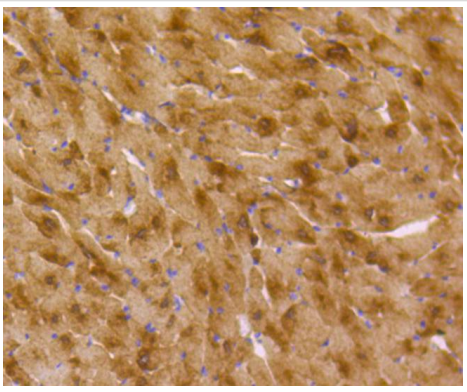
Immunohistochemical analysis of paraffin-embedded human pancreas tissue using anti-MSI2 antibody. Counter stained with hematoxylin.



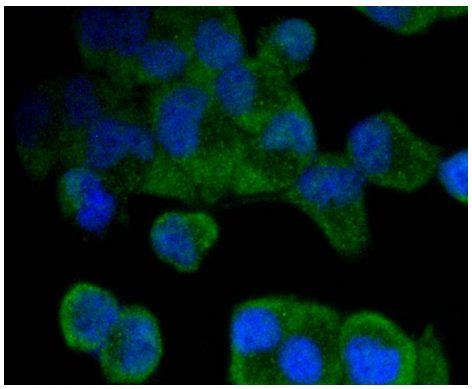
Immunohistochemical analysis of paraffin-embedded mouse liver tissue using anti-MSI2 antibody. Counter stained with hematoxylin.



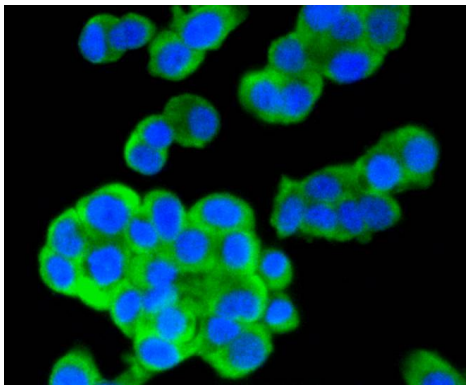
Immunohistochemical analysis of paraffin-embedded mouse prostate tissue using anti-MSI2 antibody. Counter stained with hematoxylin.



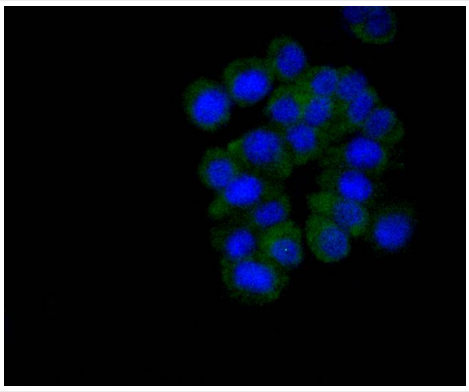
Immunohistochemical analysis of paraffin-embedded mouse heart tissue using anti-MSI2 antibody. Counter stained with hematoxylin.



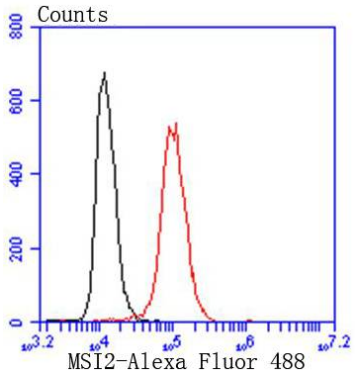
ICC staining MSI2 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining MSI2 in Lovo cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining MSI2 in PC-12 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of Hela cells with MSI2 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

Background

Msi2 (musashi homolog 2), also known as MSI2H, is a 328 amino acid protein that localizes to the cytoplasm and contains two RRM (RNA recognition motif) domains. Expressed ubiquitously at low levels, Msi2 functions as an RNA binding protein that, by regulating the expression of target mRNAs, is thought to play a role in the proliferation and maintenance of stem cells within the central nervous system. Msi2 is subject to post-translational phosphorylation and is upregulated in response to brain injury, suggesting a role in healing and brain tissue regeneration. Chromosomal aberrations involving the Msi2 gene are associated with the progression of chronic myeloid leukemia. Multiple isoforms of Msi2 exist due to alternative splicing events.

References

Note: This product is for in vitro research use only