Cellular Apoptosis Susceptibility Rabbit mAb

Catalog No: #49774

Package Size: #49774-1 50ul #49774-2 100ul

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

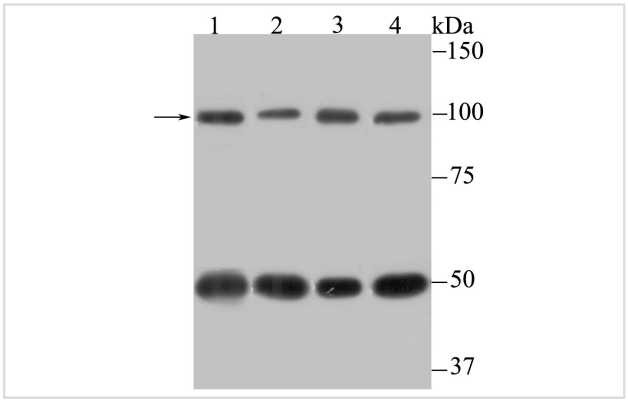
Description

Product Name	Cellular Apoptosis Susceptibility Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JU34-33
Purification	ProA affinity purified
Applications	WB,ICC,IF,IHC,FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein
Other Names	CAS antibody Cellular apoptosis susceptibility protein antibody Chromosome segregation 1 (yeast homolog) like antibody Chromosome segregation 1 Like antibody Chromosome segregation 1 like protein antibody Chromosome segregation 1-like protein antibody Chromosome segregation gene CSE1 antibody CSE 1 antibody CSE 1 chromosome segregation 1 like antibody CSE 1 chromosome segregation 1 like protein antibody CSE 1L antibody CSE1 antibody CSE1 chromosome segregation 1 like (yeast) antibody CSE1 chromosome segregation 1 like antibody CSE1 chromosome segregation 1 like protein antibody CSE1L antibody Exp 2 antibody Exp2 antibody Exportin 2 antibody Exportin-2 antibody Exportin2 antibody Importin alpha re exporter antibody Importin-alpha re-exporter antibody MGC117283 antibody MGC130036 antibody MGC130037 antibody XPO 2 antibody XPO2 antibody XPO2_HUMAN antibody
Accession No.	Swiss-Prot#:P55060
Uniprot	P55060
GeneID	1434;
Calculated MW	110 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

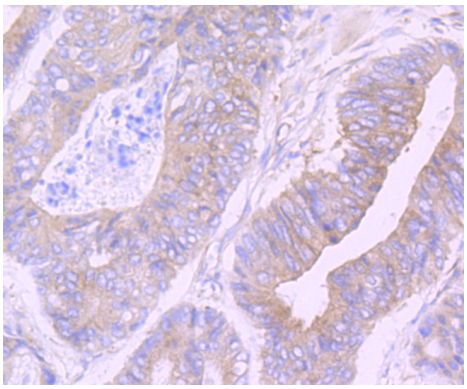
Application Details

WB: 1:500-1:1,000 IHC: 1:50-1:200 ICC: 1:50-1:200FC: 1:50-1:100

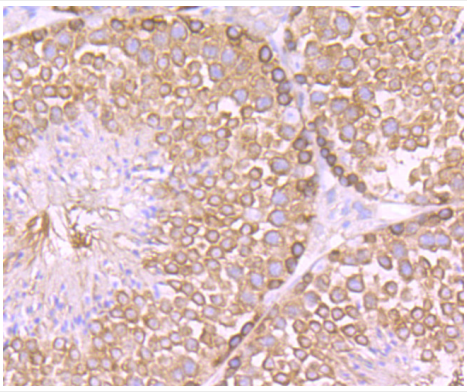
Images



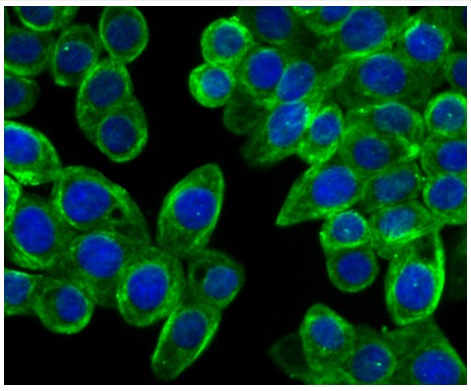
Western blot analysis of Cellular Apoptosis Susceptibility on different lysates using anti-Cellular Apoptosis Susceptibility antibody at 1/500 dilution. Positive control: Lane 1: Mouse testis Lane 2: SiHa Lane 3: SK-BR-3 Lane 4: PC-3M



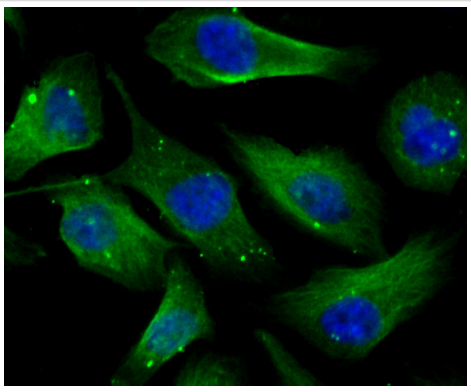
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-Cellular Apoptosis Susceptibility antibody. Counter stained with hematoxylin.



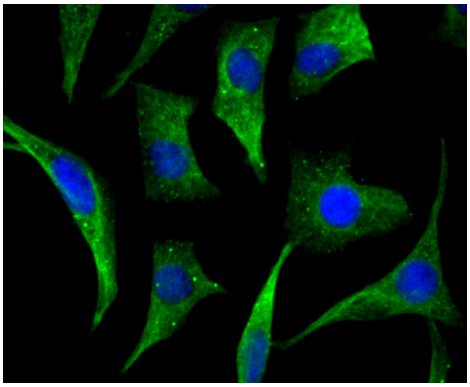
Immunohistochemical analysis of paraffin-embedded mouse testis tissue using anti-Cellular Apoptosis Susceptibility antibody. Counter stained with hematoxylin.



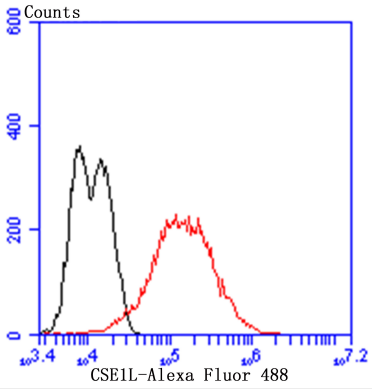
ICC staining Cellular Apoptosis Susceptibility in LOVO cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Cellular Apoptosis Susceptibility in PC-3M cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Cellular Apoptosis Susceptibility in SH-SY5Y 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 LOVO cells with Cellular Apoptosis Susceptibility antibody at 1/100 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

Cellular apoptosis susceptibility protein (CAS), also called Exportin 2, is a 971 amino acid member of the CSE1 family. CAS mediates Importin α re-export from the nucleus to the cytoplasm after import substrates have been released into the nucleoplasm. In the nucleus, CAS binds cooperatively to Importin α and to the GTPase Ran in its GTP-bound (active) form. This complex binds to nucleoporins as it docks to the nuclear pore complex. Once in the cytoplasm, the complex dissociates and Importin α is released and CAS returns to the nuclear compartment and the process begins anew. CAS can be detected highly in proliferating cells. Three isoforms of CAS have been named due to alternative splicing. Isoform 1 is the full length, 971 amino acid protein. Isoform 2 contains an alternative sequence for amino acids 190-195 and is missing amino acids 196-971. Isoform 3 contains an alternative sequence for amino acids 943-945 and is missing amino acids 946-971.

References

Note: This product is for in vitro research use only