

Emi1 Rabbit mAb

Catalog No: #49892

Package Size: #49892-1 50ul #49892-2 100ul

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

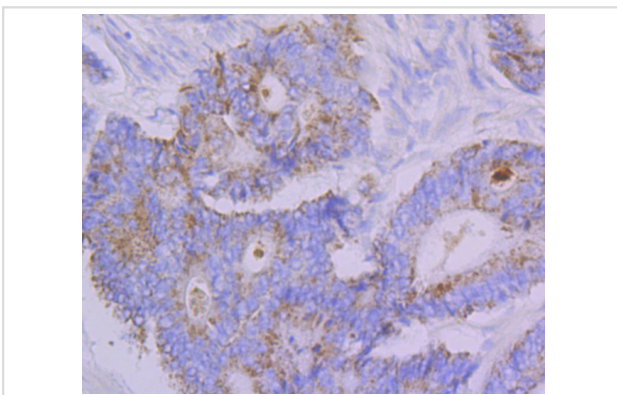
Description

Product Name	Emi1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JG35-83
Purification	ProA affinity purified
Applications	WB,ICC,IHC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein within human Emi1 aa 50-250.
Other Names	Early mitotic inhibitor 1 antibody Emi 1 antibody EMI1 antibody F box only protein 5 antibody F box protein 5 antibody F box protein Fbx 5 antibody F box protein Fbx5 antibody F-box only protein 5 antibody FBX5 antibody FBX5_HUMAN antibody Fbxo31 antibody fbxo5 antibody
Accession No.	Swiss-Prot#:Q9UKT4
Uniprot	Q9UKT4
GeneID	26271;
Calculated MW	50 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

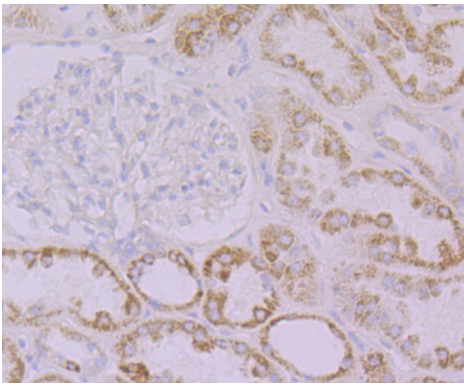
Application Details

IHC: 1:50-1:200 ICC: 1:50-1:200

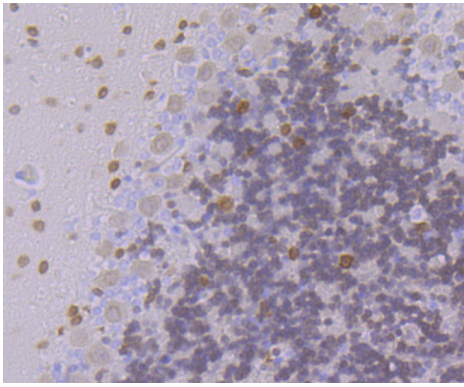
Images



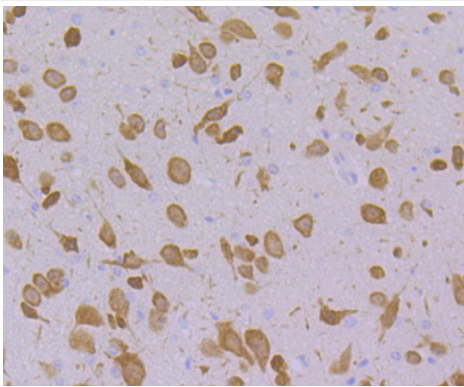
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-Emi1 antibody. Counter stained with hematoxylin.



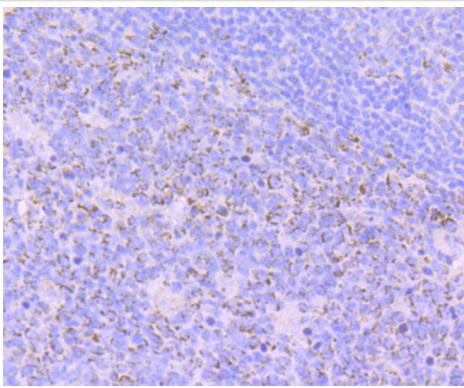
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-Emi1 antibody. Counter stained with hematoxylin.



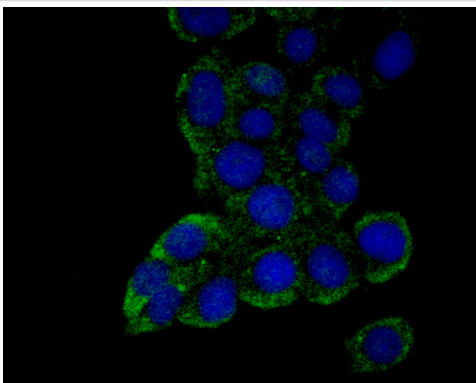
Immunohistochemical analysis of paraffin-embedded rat cerebellum tissue using anti-Emi1 antibody. Counter stained with hematoxylin.



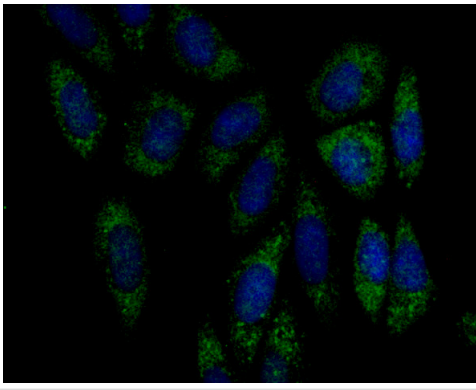
Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue using anti-Emi1 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-Emi1 antibody. Counter stained with hematoxylin.



ICC staining Emi1 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 Emi1 in SiHa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Background

Emi1 (for early mitotic inhibitor) regulates mitosis by inhibiting the anaphase promoting complex/cyclosome (APC). Emi1 is a conserved F box protein containing a zinc binding region essential for APC inhibition. The Emi1 protein functions to promote cyclin A accumulation and S phase entry in somatic cells by inhibiting the APC complex. At the G1-S transition, Emi1 is transcriptionally induced by the E2F transcription factor. Emi1 overexpression accelerates S phase entry and can override a G1 block caused by overexpression of Cdh1 or the E2F-inhibitor p105 retinoblastoma protein (pRb). Depleting cells of Emi1 through RNA interference prevents accumulation of cyclin A and inhibits S phase entry. Emi1 is required to arrest unfertilized eggs at metaphase of meiosis II and may be the long-sought mediator of CSF activity. Human Emi1 is similar to *Xenopus laevis* Emi1, which inhibits the APC (Cdc20) ubiquitination complex to allow accumulation of cyclin B.

References

Note: This product is for in vitro research use only