

MuERVL-Gag Antibody

Catalog No: #48590

Package Size: #48590-1 50ul #48590-2 100ul

Orders: order@signalwayantibody.com

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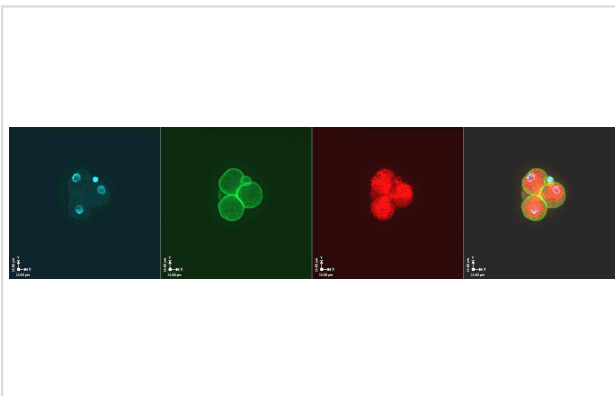
Description

Product Name	MuERVL-Gag Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Peptide affinity purified
Applications	ICC
Species Reactivity	Ms
Immunogen Description	peptide
Accession No.	Swiss-Prot#:V9H130
Uniprot	V9H130
Calculated MW	67 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

Application Details

ICC: 1:200

Images



ICC staining MuERVL-Gag in mouse 3-cell stage embryo (red). The cells were incubated overnight at +40°C with MuERVL-Gag rabbit pAb at a 1/100 dilution (shown in red) and phalloidin (shown in green). Nuclear DNA was labelled with DAPI (shown in blue).

Background

A large number of retrotransposons are expressed when the zygotic genome is first transcribed, including the endogenous retroviruses (ERVs), LINE-1 elements, and the non-autonomous SINE elements. At the 2C stage, MuERV-L/MERVL retrovirus-like elements are transiently de-repressed and produce 3% of the transcribed mRNAs. Following the 2C stage, MERVL-retroelement expression is silenced. The newly study discovered that this regulated pattern of MERVL expression overlapped with greater than one hundred 2C-specific genes that have co-opted regulatory elements from these foreign retroviruses to initiate their transcription.

References

Note: This product is for in vitro research use only