Product Datasheet

MATER Antibody

Catalog No: #48589

Package Size: #48589-1 50ul #48589-2 100ul

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

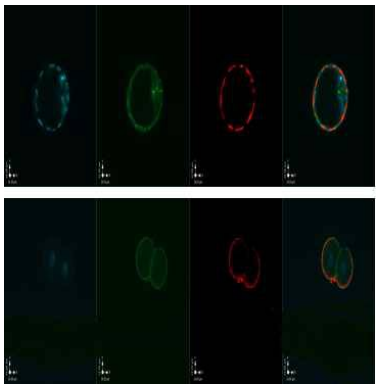
Description

Product Name	MATER Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Peptide affinity purified
Applications	ICC
Species Reactivity	Hu, Ms
Immunogen Description	peptide
Other Names	CLR19.8 antibody MATER antibody Mater protein homolog antibody Maternal antigen that embryos require antibody NACHT, leucine rich repeat and PYD containing 5 antibody NACHT, LRR and PYD domains-containing protein 5 antibody NALP5_HUMAN antibody NLR family, pyrin domain containing 5 antibody NLRP5 antibody Nucleotide-binding oligomerization domain, leucine rich repeat and pyrin domain containing 5 antibody PAN11 antibody PYPAF8 antibody
Accession No.	Swiss-Prot#:P59047
Uniprot	P59047
GeneID	126206;
Calculated MW	134 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 MATER in mouse blastocyst and 2-cell stage embryo (red). Cells were incubated overnight at 4oΩ½oΩ½C with MATER rabbit pAb at 1/100 dilution (shown in red) and phalloidin antibody (shown in green).Nuclear DNA was labelled with DAPI (shown in blue).

Background

NLRP5, short for NOD-like receptor family pyrin domain containing 5, is an intracellular protein that plays a role in early embryogenesis. NLRP5 is also

known as NACHT, LRR and PYD domains-containing protein 5 (NALP5), Mater protein homolog (MATER), PYPAF8, PAN11, and CLR19.8, and is one of 14 pyrin domain containing members of the NOD-like receptor family of cytoplasmic receptors known to mammals. Conserved oocyte-specific expression of NLRP5 is consistent among many mammalian species. As a member of the subcortical maternal complex (SCMC), it plays an essential role for zygotes to progress beyond the first embryonic cell divisions. NLRP5 also localizes to the nuclear envelope and mitochondria in germinal vesicle oocytes, suggesting a possible role in mitochondrial function.

References

Note: This product is for in vitro research use only