

## MATER polyclonal antibody

Catalog: BS90826

Host: Rabbit

Reactivity: Human, mouse

### 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.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

134 kDa

### Swiss-Prot:

P59047

### Purification&Purity:

Peptide affinity purified

### Applications:

ICC:1:200

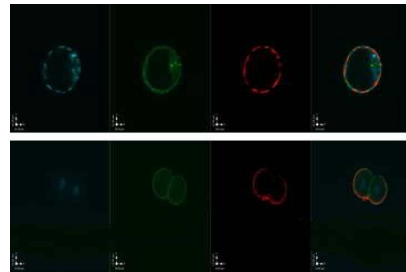
### Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

### Specificity:

MATER polyclonal antibody detects endogenous levels of MATER protein.

### DATA:



ICC staining MATER in mouse blastocyst and 2-cell stage embryo (red). Cells were incubated overnight at 4 °C 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).

### Note:

For research use only, not for use in diagnostic procedure.

### Bioworld Technology, Inc.

Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416, USA.

Email: [info@bioworld.com](mailto:info@bioworld.com)

Tel: 6123263284

Fax: 6122933841

### Bioworld technology, co. Ltd.

Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.

Email: [info@biogot.com](mailto:info@biogot.com)

Tel: 0086-025-68037686

Fax: 0086-025-68035151