# HASP Monoclonal Antibody

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| **Catalog No** | YP-mAb-05007 |
| **Isotype** | IgG |
| **Reactivity** | Human;Rat;Mouse; |
| **Applications** | WB |
| **Gene Name** | GSG2 |
| **Protein Name** | Serine/threonine-protein kinase haspin (EC 2.7.11.1) (Germ cell-specific gene 2 protein) (H-haspin) (Haploid germ cell-specific nuclear protein kinase) |
| **Immunogen** | Synthesized peptide derived from human protein . at AA range: 270-350 |
| **Specificity** | HASP Monoclonal Antibody detects endogenous levels of protein. |
| **Formulation** | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide. |
| **Source** | Monoclonal, Mouse,IgG |
| **Purification** | The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen. |
| **Dilution** | WB 1:500-1:2000 |
| **Concentration** | 1 mg/ml |
| **Purity** | ≥90% |
| **Storage Stability** | -20°C/1 year |
| **Synonyms** | |
| **Observed Band** | 87kD |
| **Cell Pathway** | Nucleus . Chromosome . Cytoplasm, cytoskeleton, spindle . Nuclear during interphase and associates with the chromosomes and spindle apparatus during mitosis. |
| **Tissue Specificity** | Strongly expressed in testis. Also present in thymus and bone marrow and low levels observed in prostate, intestine, lung, spleen and lymph node. Expressed in fetal skin, liver, kidney and small intestine and also in proliferating but not non-proliferating cell lines. |
| **Function** | catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,function:Required for normal alignment of chromosomes at metaphase. Phosphorylates histone H3 'Thr-3' during mitosis.,PTM:Autophosphorylated on both serine and threonine residues (By similarity). Phosphorylated during mitosis. Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. Haspin subfamily.,similarity:Contains 1 protein kinase domain.,tissue specificity:Strongly expressed in testis. Also present in thymus and bone marrow and low levels observed in prostate, intestine, lung, spleen and lymph node. Expressed in fetal skin, liver, kidney and small intestine and also in proliferating but not non-proliferating cell lines., |

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| **matters needing attention** | Avoid repeated freezing and thawing! |
| **Usage suggestions** | This product can be used in immunological reaction related experiments. For more information, please consult technical personnel. |

## Products Images