



NASP Monoclonal Antibody

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| Catalog No | YP-mAb-05857 |
| Isotype | IgG |
| Reactivity | Human;Rat;Mouse |
| Applications | WB |
| Gene Name | NASP |
| Protein Name | Nuclear autoantigenic sperm protein (NASP) |
| Immunogen | Synthesized peptide derived from human protein . at AA range: 680-760 |
| Specificity | NASP 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 | 86kD |
| Cell Pathway | Cytoplasm . Nucleus . |
| Tissue Specificity | Isoform 1 is testis- and sperm-specific. |
| Function | function:Required for DNA replication, normal cell cycle progression and cell proliferation. Forms a cytoplasmic complex with HSP90 and H1 linker histones and stimulates HSP90 ATPase activity. NASP and H1 histone are subsequently released from the complex and translocate to the nucleus where the histone is released for binding to DNA.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the NASP family.,similarity:Contains 3 TPR repeats.,subunit:Binds to linker H1 histones but not to core histones. Also binds to HSP90 in the cytoplasm. This interaction stimulates binding of NASP to HIST1H1T/H1T.,tissue specificity:Isoform 1 is testis- and sperm-specific., |
| Background | This gene encodes a H1 histone binding protein that is involved in transporting histones into the nucleus of dividing cells. Multiple isoforms are encoded by transcript variants of this gene. The somatic form is expressed in all mitotic cells, is localized to the nucleus, and is coupled to the cell cycle. The testicular form is expressed in embryonic tissues, tumor cells, and the testis. In male germ cells, this protein is localized to the cytoplasm of primary spermatocytes, the nucleus of |



spermatids, and the periacrosomal region of mature spermatozoa. [provided by RefSeq, Jul 2008],

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