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# TOPORS Antibody (monoclonal) (M02)

**Mouse monoclonal antibody raised against a partial recombinant TOPORS.**
**Catalog # AT4309a**

## Specification

### TOPORS Antibody (monoclonal) (M02) - Product Information

| | |
|---|---|
| Application | **IF, WB, E** |
| Primary Accession | Q9NS56 |
| Other Accession | NM_005802 |
| Reactivity | **Human** |
| Host | **mouse** |
| Clonality | **Monoclonal** |
| Isotype | **IgG2a Kappa** |
| Calculated MW | **119198** |

### TOPORS Antibody (monoclonal) (M02) - Additional Information

**Gene ID** 10210

**Other Names**
E3 ubiquitin-protein ligase Topors, 632-, SUMO1-protein E3 ligase Topors, Topoisomerase I-binding RING finger protein, Topoisomerase I-binding arginine/serine-rich protein, Tumor suppressor p53-binding protein 3, p53-binding protein 3, p53BP3, TOPORS, LUN, TP53BPL

**Target/Specificity**
TOPORS (NP_005793, 98 a.a. ~ 205 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Dilution**
WB~~1:500~1000

**Format**
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

**Storage**
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Precautions**
TOPORS Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

### TOPORS Antibody (monoclonal) (M02) - Protocols

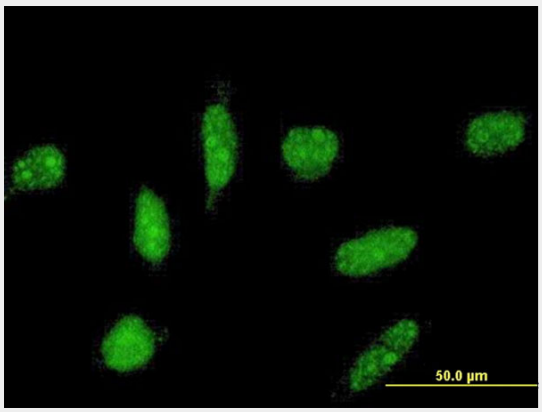
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides

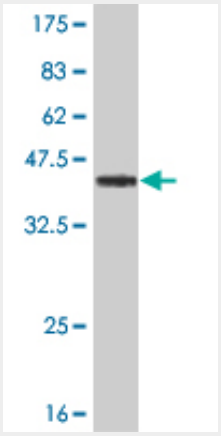
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- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

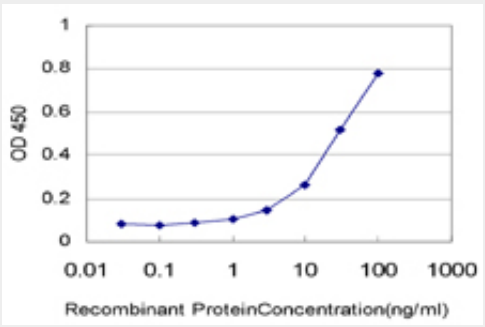
**TOPORS Antibody (monoclonal) (M02) - Images**




Immunofluorescence of monoclonal antibody to TOPORS on HeLa cell . [antibody concentration 10 ug/ml]




Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.62 KDa) .




Detection limit for recombinant GST tagged TOPORS is approximately 1ng/ml as a capture antibody.

**TOPORS Antibody (monoclonal) (M02) - Background**

This gene encodes a nuclear protein which is serine and arginine rich, and contains a RING-type zinc finger domain. It is highly expressed in the testis, and functions as an ubiquitin-protein E3 ligase. Mutations in this gene are associated with retinitis pigmentosa type 31. Alternatively spliced transcript variants, encoding different isoforms, have been observed for this locus.

**TOPORS Antibody (monoclonal) (M02) - References**

Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.Plk1-mediated phosphorylation of Topors regulates p53 stability. Yang X, et al. J Biol Chem, 2009 Jul 10. PMID 19473992.Mutations in TOPORS: a rare cause of autosomal dominant retinitis pigmentosa in continental Europe? Schob C, et al. Ophthalmic Genet, 2009 Jun. PMID 19373681.Autosomal dominant pericentral retinal dystrophy caused by a novel missense mutation in the TOPORS gene. Selmer KK, et al. Acta Ophthalmol, 2010 May. PMID 19183411.Identification of phosphorylation sites of TOPORS and a role for serine 98 in the regulation of ubiquitin but not SUMO E3 ligase activity. Park HJ, et al. Biochemistry, 2008 Dec 30. PMID 19053840.