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TOPORS Antibody (monoclonal) (M02)

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

Product Information

Application	WB, IF, E
Primary Accession	Q9NS56
Other Accession	NM_005802
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	4G4
Calculated MW	119198

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 IF~~1:50~200 E~~N/A
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.

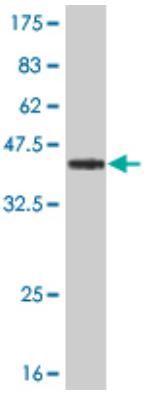
Background

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.

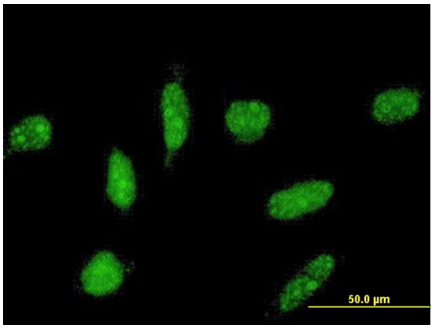
References

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.

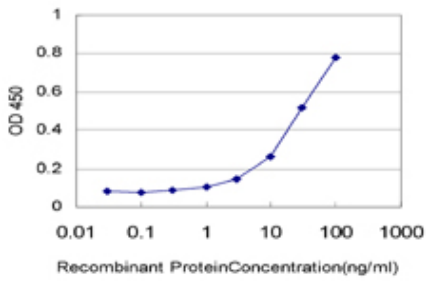
Images



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



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



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.