

Anti-TOPRS antibody



Description	Unconjugated Rabbit polyclonal to TOPRS
Model	STJ191816
Host	Rabbit
Reactivity	Human, Mouse
Applications	ELISA, WB
Gene ID	10210
Gene Symbol	TOPORS
Dilution range	WB 1:500-2000 ELISA 1:5000-20000
Specificity	TOPRS Polyclonal Antibody detects endogenous levels of protein.
Tissue Specificity	Expressed at highest levels in testis and at lower levels in adrenal gland, bone marrow, brain, colon, heart, kidney, liver, muscle, ovary, pancreas, placenta, prostate, skeletal muscle, skin, small intestine, spleen, stomach, testis, thymus, thyroid and uterus. Expressed in the alveolar epithelium of the lung. Expression is commonly decreased in colon adenocarcinomas and lung cancers.
Purification	TOPRS antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	E3 ubiquitin-protein ligase Topors RING-type E3 ubiquitin transferase Topors SUMO1-protein E3 ligase Topors Topoisomerase I-binding RING finger protein Topoisomerase I-binding arginine/serine-rich protein Tumor suppressor p53

Molecular Weight	114 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid form in PBS containing 50% glycerol, and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:21653OMIM:609507
Alternative Names	E3 ubiquitin-protein ligase Topors RING-type E3 ubiquitin transferase Topors SUMO1-protein E3 ligase Topors Topoisomerase I-binding RING finger protein Topoisomerase I-binding arginine/serine-rich protein Tumor suppressor p53
Function	Functions as an E3 ubiquitin-protein ligase and as an E3 SUMO1-protein ligase. Probable tumor suppressor involved in cell growth, cell proliferation and apoptosis that regulates p53/TP53 stability through ubiquitin-dependent degradation. May regulate chromatin modification through sumoylation of several chromatin modification-associated proteins. May be involved in DNA damage-induced cell death through IKBKE sumoylation.
Cellular Localization	Nucleus. Nucleus, PML body. Localizes to discrete nuclear foci which partly overlap with PML nuclear bodies. Targeted to PML nuclear bodies upon DNA damage.
Post-translational Modifications	Phosphorylation at Ser-98 regulates the E3 ubiquitin-protein ligase activity but not the SUMO1-protein ligase activity. Phosphorylation at Ser-718 increases the E3 ubiquitin-protein ligase activity versus the SUMO1-protein ligase activity resulting in increased p53/TP53 ubiquitination and degradation. Sumoylated.