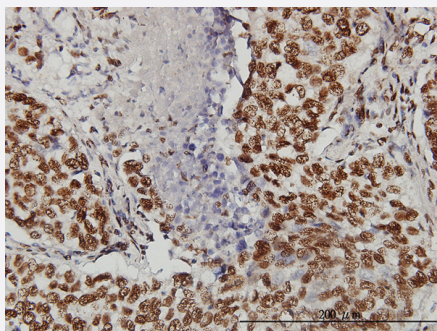


TOPORS monoclonal antibody (M01), clone 5G11

Catalog # H00010210-M01

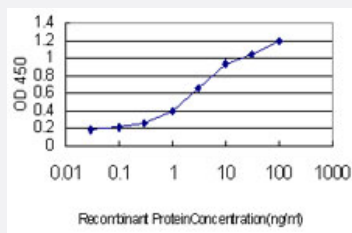
Size 100 ug

Applications



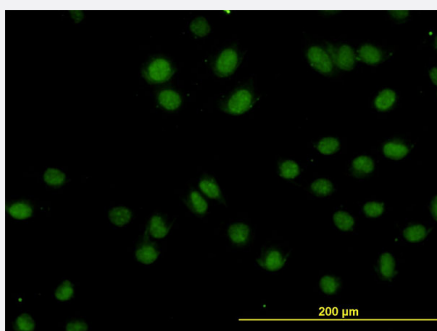
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to TOPORS on formalin-fixed paraffin-embedded human lung, adenosquamous cell carcinoma. [antibody concentration 3 ug/ml]



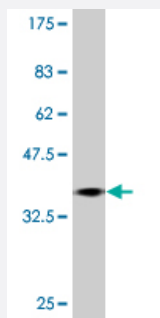
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged TOPORS is approximately 0.1ng/ml as a capture antibody.



Immunofluorescence

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



Western Blot detection against Immunogen (37.62 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant TOPORS.
Immunogen	TOPORS (NP_005793, 98 a.a. ~ 205 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	SPDSKCPICLDRFDNVSYLDRCLHKFCFRCVQEWSKNKAECPLCKQPFDSIFHSVRAEDDFKEY VLRPSYNGSFVTPDRRFYRTTLTRERNASVYSPSGPVNRRTTT
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.62 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to TOPORS on formalin-fixed paraffin-embedded human lung, adenosquamous cell carcinoma. [antibody concentration 3 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged TOPORS is approximately 0.1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

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

Gene Info — TOPORS

Entrez GeneID [10210](#)

GeneBank Accession# [NM_005802](#)

Protein Accession# [NP_005793](#)

Gene Name TOPORS

Gene Alias LUN, P53BP3, RP31, TP53BPL

Gene Description topoisomerase I binding, arginine/serine-rich

Omim ID [609507 609923](#)

Gene Ontology [Hyperlink](#)

Gene Summary O

Other Designations OTTHUMP00000021182|OTTHUMP00000021184|OTTHUMP00000045227|retinitis pigmentosa 31 (autosomal dominant)|topoisomerase I binding protein|tumor protein p53-binding protein

Publication Reference

- [TOPORS-mediated RAD51 SUMOylation facilitates homologous recombination repair.](#)

Gurusamy Hariharasudhan, Seo-Yeon Jeong, Min-Ji Kim, Sung Mi Jung, Gwanwoo Seo, Ju-Ran Moon, Sumi Lee, In-Youb Chang, Younghoon Kee, Ho Jin You, Jung-Hee Lee.

Nucleic Acids Research 2022 Feb; 50(3):1501.

Application: IF, IP-WB, PLA-Ce, Human, HeLa cells

- [Mitotic phosphorylation stimulates DNA relaxation activity of human topoisomerase I.](#)

Hackbarth JS, Galvez-Peralta M, Dai NT, Loegering DA, Peterson KL, Meng XW, Karnitz LM, Kaufmann SH.

The Journal of Biological Chemistry 2008 Apr; 283(24):16711.

- [Mutations in TOPORS cause autosomal dominant retinitis pigmentosa with perivascular retinal pigment epithelium atrophy.](#)

Christina F Chakarova, Myrto G Papaioannou, Hemant Khanna, Irma Lopez, Naushin Waseem, Amna Shah, Torsten Theis, James Friedman, Cecilia Maubaret, Kinga Bujakowska, Brotati Veraitch, Mai M Abd El-Aziz, De Quincy Prescott, Sunil K Parapuram, Wendy A Bickmore, Peter M G Munro, Andreas Gal, Christian P Hamel, Valeria Marigo, Chris P Ponting, Bernd Wissinger, Eberhart Zrenner, Karl Matter, Anand Swaroop, Robert K Koeneke, Shomi S Bhattacharya.

American Journal of Human Genetics 2007 Nov; 81(5):1098.

Application: WB-Ce, Human, Human lymphoblastoid

Disease

- [Retinitis Pigmentosa](#)
- [Tobacco Use Disorder](#)