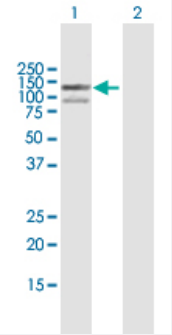
MaxPab®

EXO1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00009156-B01P Size 50 ug

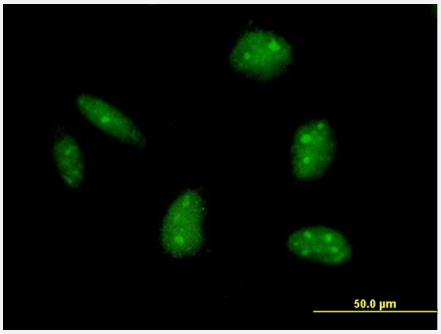
Applications



Western Blot (Transfected lysate)

Western Blot analysis of EXO1 expression in transfected 293T cell line (H00009156-T01) by EXO1 MaxPab polyclonal antibody.

Lane 1: EXO1 transfected lysate(93.06 KDa).
Lane 2: Non-transfected lysate.



Immunofluorescence

Immunofluorescence of purified MaxPab antibody to EXO1 on HeLa cell. [antibody concentration 10 ug/ml]

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human EXO1 protein.
Immunogen	EXO1 (NP_006018.3, 1 a.a. ~ 846 a.a) full-length human protein.

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Sequence	MGIQGLLQFIKEASEPIHVRKYKGQVVAVDTYCWLHKGAIACAEKLAKGEPTDRYVGFCMKFVNM LLSHGIKPILVFDGCTLPSKKEVERSRRERRQANLLKGKQLLREGKVSEARECFTRSINITHAMAHK VIKAARSQGVDCLVAPYEADAQLAYLNKAGIVQAIITEDSDLLAFGCKKVILKMDQFGNGLEIDQAR LGMCRQLGDVFTEEKFRYMCILSGCDYLSSLRGIGLAKACKVLRLANNPDIVKVIKKIGHYLKMNITV PEDYINGFIRANNTFLYQLVFDPIKRKLIPLNAYEDDVDPETLSYAGQYVDDSIALQIALGNKDINTFE QIDDYNPDTAMPAHSRSHSWDDKTCQKSANVSSIWHRNYSPRPESGTVSDAPQLKENPSTVGV ERVISTKGLNLPRKSSIVKRPRSAELSEDDLLSQYSLSFTKKTKKNSSEGNKSLSFSEVFVPDLVN GPTNKKSVSTPPRTRNKFATFLQRKNEESGAVVVPGTRSRFFCSSDSTDCVSNKVSIQPLDETA VTDKENNLHESEYGDQEGKRLVDTDVARNSSDDIPNNHIPGDHIPDKATVFTDEESYSFESSKFT RTISPPTLGTLRSCFSWSGGLGDFSRTPSPSPSTALQQFRRKSDSPTSLPENNMSDVSQLKSEE SSDDESHPLREGACSSQSQESGEFSLQSSNASKLSQCSSKDSDSEESDCNIKLLDSQSDQTSK LCLSHFSKKDTPLRNKVPGLYKSSSADSLSTTKIKPLGPARASGLSKKPASIQKRKHHNAENKPG LQIKLNELWKNFGFKKDSEKLPPCKKPLSPVRDNIQLTPEAEEDIFNKPECGRVQRAIFQ
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (72); Rat (75)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
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 (Transfected lysate)

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  Protocol Download

- Immunofluorescence

  Immunofluorescence of purified MaxPab antibody to EXO1 on HeLa cell. [antibody concentration 10 ug/ml]

Gene Info — EXO1

Entrez GeneID	9156
GeneBank Accession#	NM_006027.3

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Protein Accession#	NP_006018.3
Gene Name	EXO1
Gene Alias	HEX1, hExo1
Gene Description	exonuclease 1
Omim ID	606063
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a protein with 5' to 3' exonuclease activity as well as an RNase H activity. It is similar to the Saccharomyces cerevisiae protein Exo1 which interacts with Msh2 and which is inv olved in mismatch repair and recombination. Alternative splicing of this gene results in three trans cript variants encoding two different isoforms. [provided by RefSeq
Other Designations	OTTHUMP00000037878|OTTHUMP00000037879|rad2 nuclease family member, homolog of S. cerevisiae exonuclease 1

Publication Reference

- Vpu modulates DNA repair to suppress innate sensing and hyper-integration of HIV-1.

  Meta Volcic, Konstantin M J Sparrer, Lennart Koepke, Dominik Hotter, Daniel Sauter, Christina M Stürzel, Myriam Scherer, Thomas Stamminger, Thomas G Hofmann, Nathalie J Arhel, Lisa Wiesmüller, Frank Kirchhoff.

  Nature Microbiology 2020 Oct; 5(10):1247.

  Application: IF, Human, WTK1 cells

Pathway

- Mismatch repair

Disease

- Adenocarcinoma
- Brain Neoplasms
- Breast cancer
- Breast Neoplasms
- Carcinoma

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- Colorectal Neoplasms
- Disease Progression
- DNA Damage
- Esophageal Neoplasms
- Genetic Predisposition to Disease
- Glioblastoma
- Kidney Failure
- Lung carcinoma
- Lung Neoplasms
- Meningeal Neoplasms
- Meningioma
- Multiple Sclerosis
- Neoplasms
- Ovarian cancer
- Ovarian Neoplasms
- Pancreatic cancer
- Pancreatic Neoplasms
- Papillomavirus Infections
- Pulmonary Disease
- Stomach Neoplasms
- Tobacco Use Disorder
- Urinary Bladder Neoplasms
- Uterine Cervical Neoplasms
- Werner syndrome

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