

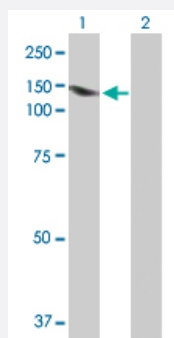
MaxPab®

LIG1 MaxPab mouse polyclonal antibody (B01P)

Catalog # H00003978-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of LIG1 expression in transfected 293T cell line ([H00003978-T02](#)) by LIG1 MaxPab polyclonal antibody.

Lane 1: LIG1 transfected lysate (101.70 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human LIG1 protein.

Immunogen

LIG1 (NP_000225.1, 1 a.a. ~ 919 a.a) full-length human protein.

Sequence

MQRSIMSFHFKKEGKAKKPEKEASNSSRETEPPPKAALKEWNGVSESDSPVKRPGRKAARV
LGSEGEEDDEALSPAKGQKPALDCSQVSPRPATSPENNASLSDTSPMDSSPSGIPKRRTARK
QLPKRTIQEVLEEQSEDEDREAKRKKEEEEEETPKESL TEAEVATEKEGEDGDQPTTPPKPLKT
SKAETPTESVSEPEVATKQELQEEEEETKPPRRAPKTLSSFFTTPRKPAVKKEVKEEPEGAPGKE
GAAEGPLDPSGYNPAKNYHPVEDACWKPQKVPYLAVARTFEKIEVSARLRMVETLSNLLRS
VVALSPDLLPVLYSLNHLGPPQQGLELGVDGVLLKAVAQATGRQLESVRAEAAEKGDVGLV
AENSRSTQRLMLPPPPLTASGVFSKFRDIARLTGSASTAKKIDIIKGLFVACRHSEARFIARSLSGRL
RLGLAEQSVLAALSQAVSLTPPGQEFPPAMVDAGKGKTAEARKTWLEEQGMILKQTFCEVPDLD
RIIPVLLHGLERLPEHCKLSPGIPLKPM LAHPTRGISEVLKRFEAAFTCEYKYDGGRAQIHLEG
GEVKIFSRNQEDNTGKYPDIISRIPIKILPSVTSFILDTEAVAWDREKKQIQPFQVLTTRKRKEVDAS
EIQVQVCLYAFDLIYNGESLVREPLSRRRQLLRENFVETEGEFVFATSLDTKDIEQIAEFLEQSVK
DSCEGLMVKTLDDVATYIEAKRSHNWLKLLKDYLDGVGDTLDLVVIGAYLGRGKRAGRYGGFLLA
SYDEDSEELQAICKLGTGFSDEELEEHHQSLKALVLPSPRPYVRIDGAVIPDHWLDPSAVWEVKC
ADLSLSPIYPAARGLVDSKGISLRFPFRFVRREDKQPEQATTSAQVACLYRKQSQIQNQGGEDSG
SDPEDTY

Host

Mouse

Reactivity	Human
Interspecies Antigen Sequence	Mouse (84%)
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.

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[Protocol Download](#)

Gene Info — LIG1

Entrez GeneID	3978
GeneBank Accession#	NM_000234
Protein Accession#	NP_000225.1
Gene Name	LIG1
Gene Alias	MGC117397, MGC130025
Gene Description	ligase I, DNA, ATP-dependent
Omim ID	126391
Gene Ontology	Hyperlink
Gene Summary	LIG1 encodes DNA ligase I, with functions in DNA replication and the base excision repair process. Mutations in LIG1 that lead to DNA ligase I deficiency result in immunodeficiency and increased sensitivity to DNA-damaging agents. [provided by RefSeq]
Other Designations	DNA ligase I

Pathway

- [Base excision repair](#)
- [DNA replication](#)
- [Mismatch repair](#)
- [Nucleotide excision repair](#)

Disease

- [Adenocarcinoma](#)
- [Ataxia telangiectasia](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Colorectal Neoplasms](#)
- [Diabetes Mellitus](#)
- [DNA Damage](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Glioma](#)
- [Graft vs Host Disease](#)
- [Head and Neck Neoplasms](#)
- [Hematologic Diseases](#)
- [Hodgkin Disease](#)

- [Kidney Failure](#)
- [Leukemia](#)
- [Lung carcinoma](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Lymphoproliferative Disorders](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Neoplasms](#)
- [Neuroma](#)
- [Occupational Diseases](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pulmonary Disease](#)
- [Stomach Neoplasms](#)
- [Urinary Bladder Neoplasms](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)