

AM31811PU-N**Monoclonal Antibody to DNA ligase 1 - Purified**

Alternate names:	DNA ligase 1, DNA ligase I, EC=6.5.1.1, LIG-1, LIG1, Polydeoxyribonucleotide synthase [ATP] 1
Quantity:	50 µg
Concentration:	0.5 mg/ml
Background:	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.
Uniprot ID:	P18858
NCBI:	NP_000225
GeneID:	3978
Host / Isotype:	Mouse / IgG2a
Recommended Isotype Controls:	AM03096PU-N
Clone:	10G12
Immunogen:	LIG1 antibody was raised against LIG1 (NP_000225, 810 a.a. ~ 920 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Format:	State: Liquid purified Ig fraction Purification: Affinity chromatography on Protein A Buffer System: PBS, pH 7.2
Applications:	ELISA. Immunohistochemistry on Paraffin Sections: 5 µg/ml. Western Blot: 1/500 - 1/1000. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody reacts to LIG1. Species: Human. Other species not tested.
Storage:	Store the antibody at -20°C to -80°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

Pictures:

Detection limit for recombinant GST tagged LIG1 is approximately 0.3ng/ml as a capture antibody.

