Datasheet for ABIN7464202

anti-LIG3 antibody

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Overview

Quantity:	100 µL
Target:	LIG3
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This LIG3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC), Immunoprecipitation (IP), Blocking Peptide (BP), Proximity Ligation Assay (PLA)

Product Details

Immunogen:	Recombinant full-length human DNA Ligase III-b.
Clone:	1F3
Isotype:	IgG1
Cross-Reactivity:	Chicken, Human, Mouse
Purification:	Protein G affinity purified.

Target Details

Target:	LIG3
Alternative Name:	DNA ligase 3 (LIG3 Products)
Background:	DNA ligase 3 , LIG2 , LIG3alpha,This gene is a member of the DNA ligase family. Each member

Target Details

	of this family encodes a protein that catalyzes the joining of DNA ends but they each have a distinct role in DNA metabolism. The protein encoded by this gene is involved in excision repair and is located in both the mitochondria and nucleus, with translation initiation from the upstream start codon allowing for transport to the mitochondria and translation initiation from a downstream start codon allowing for transport to the nucleus. Additionally, alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]
Molecular Weight:	113 kDa
Gene ID:	3980
UniProt:	P49916
Pathways:	DNA Damage Repair

Application Details

Application Notes:	WB: 1:500-1:3000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: 293T , A431 , HeLa , HepG2 Validation: Orthogonal
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS, No Preservative
Preservative:	Without preservative
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.