

Product Datasheet

Anti-DNA Ligase IV Rabbit Monoclonal Antibody (orb547824)

Description	Anti-DNA Ligase IV Rabbit Monoclonal Antibody. Tested in WB, IHC, ICC/IF applications. This antibody reacts with Human.
Species/Host	Rabbit
Reactivity	Human
Conjugation	Unconjugated
Tested Applications	ICC, IF, IHC, WB
Immunogen	A synthesized peptide derived from human DNA Ligase IV
Form/Appearance	Liquid
Concentration	Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Application notes	WB 1:500-1:2000IHC 1:50-1:200ICC/IF 1:50-1:200. Restore with deionized water (or equivalent) for reconstitution volume of 1.0 mL
Isotype	Rabbit IgG
Clonality	Monoclonal
Clone Number	ADHG-12
Antibody Type	Primary Antibody
MW	120 kDa

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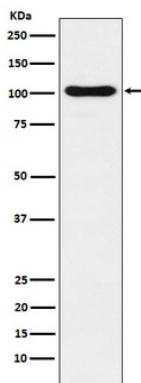
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Uniprot ID**P49917****Expiration Date**

12 months from date of receipt.



Western blot analysis of LIG4 expression in Ramos cell lysate using anti-LIG4 antibody (orb547824). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-LIG4 antigen affinity purified polyclonal antibody (Catalog # orb547824) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-Rabbit IgG IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # orb90444) with Tanon 5200 system. A specific band was detected for LIG4.

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