Datasheet for ABIN1881497

anti-LIG4 antibody (N-Term)

1 Image

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Overview

Quantity:	400 µL
Target:	LIG4
Binding Specificity:	AA 239-267, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LIG4 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This LIG4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 239-267 amino acids from the N-terminal region of human LIG4.
Clone:	RB40331
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	LIG4
Alternative Name:	LIG4 (LIG4 Products)
Background:	Efficiently joins single-strand breaks in a double-stranded polydeoxynucleotide in an ATP-

Target Details

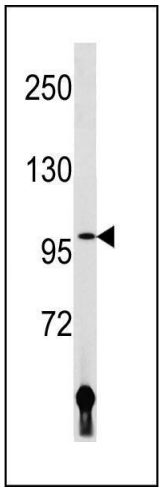
	dependent reaction. Involved in DNA non-homologous end joining (NHEJ) required for double-strand break repair and V(D)J recombination. The LIG4-XRCC4 complex is responsible for the NHEJ ligation step, and XRCC4 enhances the joining activity of LIG4. Binding of the LIG4-XRCC4 complex to DNA ends is dependent on the assembly of the DNA-dependent protein kinase complex DNA-PK to these DNA ends.
Molecular Weight:	103971
NCBI Accession:	NP_001091738, NP_002303, NP_996820
UniProt:	P49917
Pathways:	DNA Damage Repair, Production of Molecular Mediator of Immune Response

Application Details

Application Notes:	WB: 1:1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months



Western Blotting

Image 1. LIG4 Antibody (N-term) (ABIN1881497 and ABIN2843215) western blot analysis in human placenta tissue lysates (35 µg/lane).This demonstrates the LIG4 antibody detected the LIG4 protein (arrow).