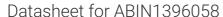
antibodies - online.com







anti-LIG4 antibody (AA 51-150) (Alexa Fluor 350)



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Quantity:	100 μL	
Target:	LIG4	
Binding Specificity:	AA 51-150	
Reactivity:	Human	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This LIG4 antibody is conjugated to Alexa Fluor 350	
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))	

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human DNA Ligase IV	
Isotype:	IgG	
Cross-Reactivity:	Human	
Predicted Reactivity:	Mouse,Rat,Dog,Cow,Sheep,Horse,Chicken,Rabbit	
Purification:	Purified by Protein A.	

Target Details

Target:	LIG4	
Alternative Name:	DNA Ligase IV/LIG4 (LIG4 Products)	

Target Details

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Background:	Synonyms: LIG4S, DNA ligase 4, DNA ligase IV, Polydeoxyribonucleotide synthase [ATP] 4, LIG4	
	Background: Efficiently joins single-strand breaks in a double-stranded polydeoxynucleotide in	
	an ATP-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.	
Gene ID:	3981	
UniProt:	P49917	
Pathways:	DNA Damage Repair, Production of Molecular Mediator of Immune Response	
Application Details		
Application Notes:	IF(IHC-P) 1:50-200	
	IF(IHC-F) 1:50-200	
	IF(ICC) 1:50-200	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	1 μg/μL	
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and	
	50 % Glycerol.	
Preservative:	ProClin	
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be	
	handled by trained staff only.	
Storage:	-20 °C	
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.	
Expiry Date:	12 months	