

À des fins de recherche uniquement

# Anticorps Monoclonal anti-LIG4

Numéro de catalogue: 66705-1-Ig



## Informations de base

Numéro de catalogue: 66705-1-Ig	Numéro d'acquisition GenBank: BC037491	Méthode de purification: Purification par protéine G
Taille: 150ul, Concentration: 1000 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 3981	CloneNo.: 1H6C11
Hôte: Mouse	Nom complet: ligase IV, DNA, ATP-dependent	Dilutions recommandées: WB 1:1000-1:4000 IF 1:50-1:500
Isotype: IgG2a	MW calculé: 911 aa, 104 kDa	
Immunogen Catalog Number: AG3385	MW observés: 100-104 kDa	

## Applications

Applications testées: IF, WB, ELISA	Contrôles positifs:
Spécificité de l'espèce: Humain	WB : cellules PC-3, cellules HeLa, cellules HepG2, cellules Jurkat, cellules Ramos, tissu testiculaire humain
	IF : cellules HepG2,

## Informations générales

Two major pathways, homologous recombination (HR) and nonhomologous end joining (NHEJ), counteract one of the most toxic lesions, the DSB. The core protein complex mediating NHEJ in mammals includes DNA ligase IV (Lig4). Lig4 belongs to an ATP-dependent DNA ligase family, and joins single-strand breaks in a double-stranded polydeoxynucleotide in an ATP-dependent reaction. The complex Lig4-XRCC4 is responsible for the NHEJ ligation step, and XRCC4 enhances the joining activity of Lig4.

## Stockage

Stockage:  
Stocker à -20°C. Stable pendant un an après l'expédition.  
Tampon de stockage:  
PBS avec azote de sodium à 0,02 % et glycérol à 50 % pH 7,3  
L'aliquotage n'est pas nécessaire pour le stockage à -20C

**\*\*\* Les 20ul contiennent 0,1% de BSA.**

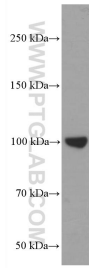
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free  
in USA), or 1(312) 455-8498 (outside USA)

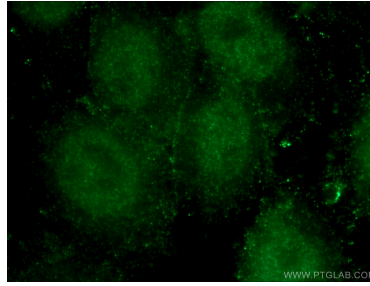
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Données de validation sélectionnées



PC-3 cells were subjected to SDS PAGE followed by western blot with 66705-1-Ig (LIG4 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 66705-1-Ig (LIG4 antibody) at dilution of 1:100 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).