


Product datasheet

Anti-LIG1 antibody [EPR12464] ab177946

Recombinant **RabMAb**

★★★★★ [2 Abreviews](#) [5 References](#) [5 Images](#)

Overview

Product name	Anti-LIG1 antibody [EPR12464]
Description	Rabbit monoclonal [EPR12464] to LIG1
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC/IF Unsuitable for: Flow Cyt or IP
Species reactivity	Reacts with: Human Predicted to work with: Rat  Does not react with: Mouse
Immunogen	Synthetic peptide within Human LIG1 aa 1-100 (Cysteine residue). The exact sequence is proprietary. Database link: P18858
Positive control	WB: HeLa, Jurkat and Molt4 cell lysates IHC-P: Human breast and thyroid gland tissues ICC/IF: HeLa cells.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant

Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR12464
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab177946 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★ (1)	1/1000 - 1/10000. Predicted molecular weight: 102 kDa.
IHC-P	★★★★★ (1)	1/50 - 1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		1/100 - 1/250.

Application notes Is unsuitable for Flow Cyt or IP.

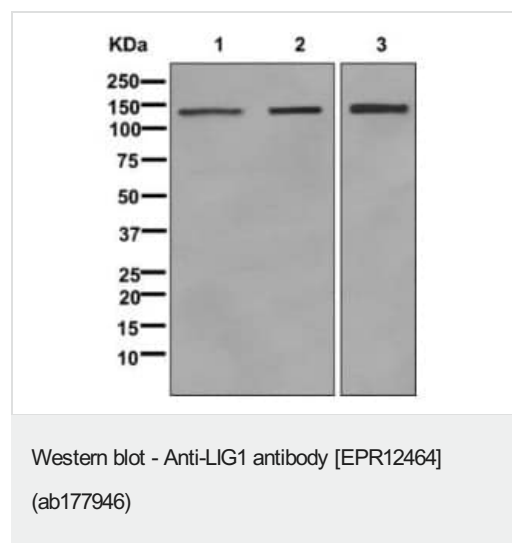
Target

Function DNA ligase that seals nicks in double-stranded DNA during DNA replication, DNA recombination and DNA repair.

Sequence similarities Belongs to the ATP-dependent DNA ligase family.

Cellular localization Nucleus.

Images



All lanes : Anti-LIG1 antibody [EPR12464] (ab177946) at 1/1000 dilution

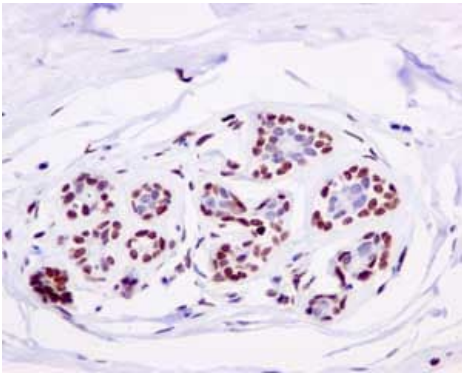
Lane 1 : HeLa cell lysate

Lane 2 : Jurkat cell lysate

Lane 3 : Molt 4 cell lysate

Lysates/proteins at 10 µg per lane.

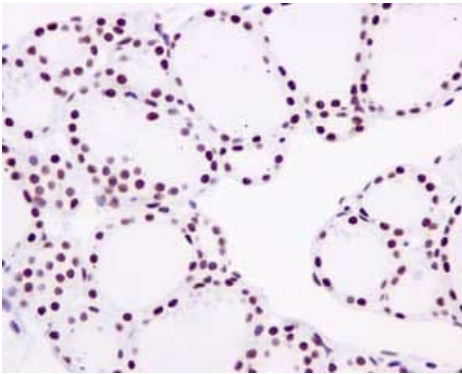
Predicted band size: 102 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LIG1 antibody [EPR12464] (ab177946)

Immunohistochemical analysis of paraffin-embedded human breast tissue labeling LIG1 with ab177946 at 1/50 dilution.

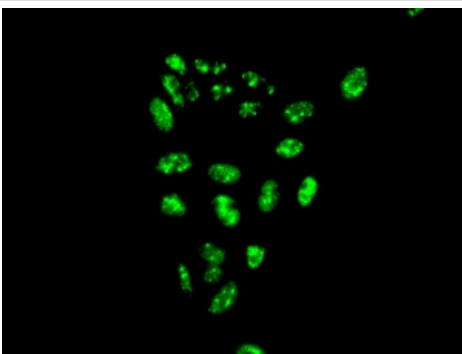
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LIG1 antibody [EPR12464] (ab177946)

Immunohistochemical analysis of paraffin-embedded Human thyroid gland tissue labeling LIG1 with ab177946 at 1/50 dilution.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-LIG1 antibody [EPR12464] (ab177946)

Immunofluorescent analysis of HeLa cells labeling LIG1 with ab177946 at 1/100 dilution.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-LIG1 antibody [EPR12464] (ab177946)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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