

## Anti-Phospho-DNA Ligase IV (T650) LIG4 Antibody

Catalog Number: A01685T650

### About LIG4

Regulates and initiates biosynthesis of N-acetylneuraminic acid (NeuAc), a precursor of sialic acids. Plays an essential role in early development By similarity. Required for normal sialylation in hematopoietic cells. Sialylation is implicated in cell adhesion, signal transduction, tumorigenicity and metastatic behavior of malignant cells.

Lucka L., FEBS Lett. 454:341-344(1999).

Seppala R., Am. J. Hum. Genet. 64:1563-1569(1999).

Huizing M., Submitted (OCT-2000) to the EMBL/GenBank/DDBJ databases.

### Overview

Product Name	Anti-Phospho-DNA Ligase IV (T650) LIG4 Antibody
Reactive Species	Human
Description	Boster Bio Anti-Phospho-DNA Ligase IV (T650) LIG4 Antibody catalog # A01685T650. Tested in ELISA, IHC applications. This antibody reacts with Human.
Application	ELISA, IHC
Clonality	Polyclonal
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P49917

### Technical Details

Immunogen	Synthesized peptide derived from human DNA Ligase IV around the phosphorylation site of T650.
Predicted Reactive Species	Boar, Bovine, Canine, Golden Hamster
Cross Reactivity	No cross reactivity with other proteins.
Isotype	IgG
Form	Liquid
Concentration	1 mg/ml

Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>IHC 1:100-1:300</p> <p>ELISA 1:10000</p>

## Anti-Phospho-DNA Ligase IV (T650) LIG4 Antibody (A01685T650) Images

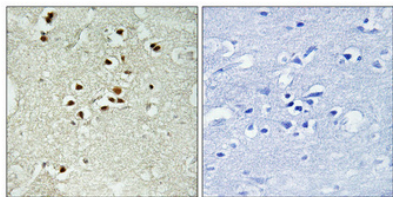


Figure 1. Immunohistochemistry validation of LIG4 using Anti-Phospho-DNA Ligase IV (T650) LIG4 Antibody (A01685T650).

Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100 (4°C)

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