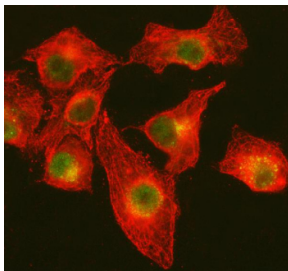


LIG4 Antibody / DNA Ligase 4 (FY13129)

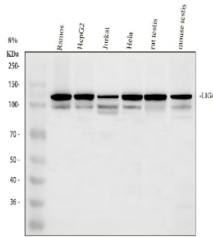
Catalog No.	Formulation	Size
FY13129	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml	100 ug

[Bulk quote request](#)

Availability	1-2 days
Species Reactivity	Human, Mouse, Rat
Format	Lyophilized
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Immunogen affinity purified
Buffer	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
UniProt	P49917
Localization	Nuclear
Applications	Western Blot : 0.25-0.5ug/ml Immunocytochemistry : 5ug/ml Immunofluorescence : 5ug/ml Flow Cytometry : 1-3ug/million cells ELISA : 0.1-0.5ug/ml
Limitations	This LIG4 antibody is available for research use only.



Immunofluorescent staining of DNA Ligase IV/LIG4 using anti-LIG4 antibody (green) and anti-Tubulin Alpha antibody (red). DNA Ligase IV/LIG4 was detected in immunocytochemical section of cell. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 ug/ml rabbit anti-DNA Ligase IV/LIG4 antibody and mouse anti-Tubulin Alpha antibody overnight at 4oC. Cy3 Conjugated Goat Anti-Rabbit IgG and DyLight 488 Conjugated Goat Anti-Mouse IgG were used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37oC. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



LIG4's enzymatic activity in genome integrity and repair pathways.

Application Notes

Optimal dilution of the LIG4 antibody should be determined by the researcher.

Immunogen

E.coli-derived human DNA Ligase IV/LIG4 recombinant protein (Position: M1-K876) was used as the immunogen for the LIG4 antibody.

Storage

After reconstitution, the LIG4 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.