

Datasheet for ABIN190317 **anti-TSG101 antibody**

[Go to Product page](#)

Overview

Quantity:	0.1 mL
Target:	TSG101
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TSG101 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP), Immunofluorescence (fixed cells) (IF/ICC), Proximity Ligation Assay (PLA), Blocking Peptide (BP)

Product Details

Purpose:	Anti-DNA Ligase III Mouse Monoclonal Antibody
Immunogen:	Full-length recombinant human DNA Ligase III-b.
Clone:	1F3
Isotype:	IgG1
Specificity:	This antibody recognizes human, mouse, and chicken DNA Ligase III. Cellular localization is nuclear and mitochondrial.
Cross-Reactivity:	Chicken, Human, Mouse

Target Details

Target:	TSG101
---------	--------

Target Details

Alternative Name:	TSG101 (TSG101 Products)
Background:	DNA ligase 3,Isoform 3 functions as heterodimer with DNA-repair protein XRCC1 in the nucleus and can correct defective DNA strand-break repair and sister chromatid exchange following treatment with ionizing radiation and alkylating agents. Isoform 1 is targeted to mitochondria, where it functions as DNA ligase in mitochondrial base-excision DNA repair (PubMed:10207110, PubMed:24674627). {PubMed:10207110, PubMed:24674627}.,There are four distinct ligase proteins found in mammalian cells. These DNA ligases are required for joining DNA strand breaks that occur during DNA replication, repair and recombination. DNA Ligase III is a 100 kDa (α-form) protein in somatic tissues, is ubiquitously expressed, and complexes with XRCC-1 and a 97 kDa (β-form) protein that is found in testis. DNA Ligase III is involved in rejoining DNA single-strand breaks and in base excision repair pathway.,[Isoform 1]: Mitochondrion,EC 6.5.1.1, DNA ligase III, Polydeoxyribonucleotide synthase [ATP] 3
UniProt:	P49916

Application Details

Application Notes:	Immunoblotting: use at 0.5-2 µg/mL. Predicted molecular weight ~100 kDa. These are recommended concentrations. Endusers should determine optimal concentrations for their applications.
--------------------	--

Restrictions:	For Research Use only
---------------	-----------------------

Handling

Format:	Liquid
Reconstitution:	Dilute in PBS or medium which is identical to that used in the assay system.
Concentration:	1.0 mg/mL
Buffer:	Hybridoma culture supernatant
Storage:	-20 °C
Storage Comment:	This antibody is stable for at least one year at -20°C. Store in appropriate aliquots to avoid multiple freeze-thaw cycles.