

Rabbit anti-Human SAMM50 Polyclonal Antibody | anti-SAMM50 antibody

Anti-SAMM50 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA256635	Rabbit	Human	Immunoprecipitation, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

SAMM50; Polyclonal Antibody; Anti-SAMM50 Antibody; Rabbit Polyclonal; SAMM50 Antibody; Rabbit PAb; Antigen Affinity Purified; SAMM50 sorting and assembly machinery component; Anti-CGI-51 Antibody; Anti-OMP85 Antibody; Anti-SAM50 Antibody; Anti-TOB55 Antibody; Anti-TRG-3 Antibody; Anti-YNL026W Antibody; anti-SAMM50 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human SAMM50
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-SAMM50 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived Human SAMM50 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human SAMM50 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

SAMM50 was immunoprecipitated using: Lane A: 0.5 mg HepG2 Whole Cell Lysate, 4 uL anti-SAMM50 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-SAMM50 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Clean-Blot IP Detection Reagent (HRP) at 1:1000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 50 kDa. Observed band size: 55 kDa.



IHC (Immunohistochemistry)

Immunochemical staining of human SAMM50 in human kidney with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)

Anti-SAMM50 rabbit polyclonal antibody at 1:500 dilution
Lane A: A431 Whole Cell Lysate
Lane B: HeLa Whole Cell Lysate
Lane C: HepG2 Whole Cell Lysate
Lysates/proteins at 30 ug per lane.
Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution.
Developed using the ECL technique.
Performed under reducing conditions.
Predicted band size: 52 kDa
Observed band size: 55 kDa
(We are unsure as to the identity of these extra bands.)

ADDITIONAL INFORMATION

Related Product Information for anti-SAMM50 antibody	SAMM50 is responsible for protein sorting and assembly, and Drp1 is a GTPase protein responsible for mitochondrial division. Scientists demonstrated that SAMM50 overexpression results in Drp1-dependent mitochondrial fragmentation in HeLa cells. However, the mitochondrial fragmentation induced by SAMM50 overexpression could be reversed through co-expression with MFN2. Furthermore, SAMM50 interacts with Drp1 both in vivo and in vitro. SAMM50 affects the Drp1-dependent mitochondrial morphology. The genomic regions containing PNPLA3, SAMM50, and PARVB are susceptibility loci for the development and progression of nonalcoholic fatty liver disease (NAFLD). LPPR4 and SAMM50 allelic variants are independent risk factors for fatty liver disease (FLD) and steatohepatitis development, respectively, in HIV-infected individuals.
References	Macias J, et al. (2015) Impact of genetic polymorphisms associated with nonalcoholic fatty liver disease on hiv-infected individuals. <i>Aids</i> 29 (15): 1927-1935. Liu S, et al. (2016) Samm50 affects mitochondrial morphology through the association of drp1 in mammalian cells. <i>FEBS Lett</i> 590 (9): 1313-1323. Kitamoto T, et al. (2014) Targeted next-generation sequencing and fine linkage disequilibrium mapping reveals association of pnpla3 and parvb with the severity of nonalcoholic fatty liver disease. <i>J Hum Genet</i> 59 (5): 241-246.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/samm50-antibody-immunoprecipitation-immunohistochemistry-western-blot-elisa/256635>