

Rabbit NSL1 Polyclonal Antibody | anti-NSL1 antibody

Anti-NSL1 Antibody Picoband

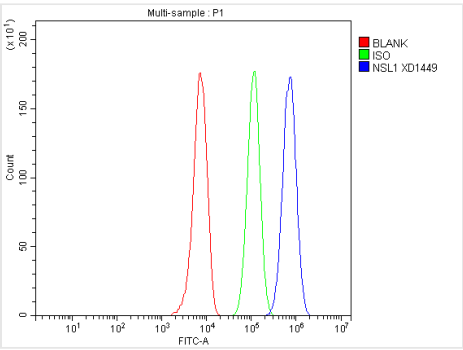
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA128238	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

NSL1; Polyclonal Antibody; Anti-NSL1 Antibody Picoband; Kinetochore-associated protein NSL1 homolog; NSL1 component of MIS12 kinetochore complex; C1orf48; DC31; DC8; MIS14; anti-NSL1 antibody

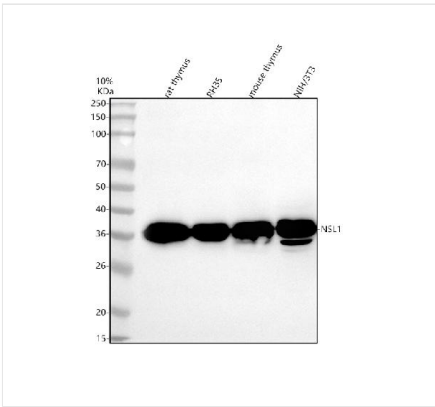
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-NSL1 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human NSL1 recombinant protein (Position: M1-K231). Human NSL1 shares 68.8% amino acid (aa) sequence identity with mouse NSL1.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Cross Reactivity	No cross-reactivity with other proteins
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of HepG2 cells using anti-NSL1 antibody (AAA128238). Overlay histogram showing HepG2 cells stained with AAA128238 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-NSL1 Antibody (AAA128238, 1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight®488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



WB (Western Blot)

Figure 1. Western blot analysis of NSL1 using anti-NSL1 antibody (AAA128238). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: rat thymus tissue lysates, Lane 2: rat RH-35 whole cell lysates, Lane 3: mouse thymus tissue lysates, Lane 4: mouse NIH/3T3 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-NSL1 antigen affinity purified polyclonal antibody (AAA128238) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for NSL1 at approximately 32 kDa. The expected band size for NSL1 is at 32 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-NSL1 antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-NSL1 antibody	Primary Antibodies
References	1. Obuse, C., Iwasaki, O., Kiyomitsu, T., Goshima, G., Toyoda, Y., Yanagida, M. A conserved Mis12 centromere complex is linked to heterochromatic HP1 and outer kinetochore protein Zwint-1. Nature Cell Biol. 6: 1135-1141, 2004.

NCBI AND UNIPROT INFORMATION

NCBI GI #	110349761
NCBI GeneID	25936
NCBI Accession #	NP_001036014.1
NCBI GenBank Nucleotide #	NM_001042549.1
UniProt Accession #	Q96IY1; Q5SY75; Q9H2M5; Q9NRN8; Q9Y415; E7ETD5
Molecular Weight	24,108 Da
NCBI Official Full Name	kinetochore-associated protein NSL1 homolog isoform 2
NCBI Official Synonym Full Names	NSL1, MIS12 kinetochore complex component
NCBI Official Symbol	NSL1
NCBI Official Synonym Symbols	DC8; MIS14; C1orf48

NCBI Protein Information	kinetochore-associated protein NSL1 homolog; NSL1, MIND kinetochore complex component, homolog
UniProt Protein Name	Kinetochore-associated protein NSL1 homolog
UniProt Gene Name	NSL1
UniProt Synonym Gene Names	C1orf48
UniProt Entry Name	NSL1_HUMAN

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://www.aaabiotech.com/polyclonal/nsl1-antibody-flow-cytometry-western-blot-elisa/128238>