

Rabbit anti-Human OIP5 Polyclonal Antibody | anti-OIP5 antibody

Anti-OIP5 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127478	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

OIP5; Polyclonal Antibody; Anti-OIP5 Antibody Picoband; Chromaffin granule amine transporter; SRY-box 15; Protein SOX-15; Protein SOX-12; Protein SOX-20; SOX15; SOX12; SOX20; SOX26; SOX27; anti-OIP5 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Widely expressed in fetal and adult tissues examined, highest level found in fetal spinal cord and adult brain and testis.
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-OIP5 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human OIP5 recombinant protein (Position: M1-N229).
Subcellular Localization	Nucleus
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins.
Protein Function	Binds to the 5'-ACAAT-3' sequence.
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-OIP5 antibody (AAA127478).Overlay histogram showing HepG2 cells stained with AAA127478 (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-OIP5 Antibody (AAA127478, 1ug/1x106 cells) for 30 min at 20 degree C. DyLight488 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 OIP5 using anti-OIP5 antibody (AAA127478).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: human 293T whole cell lysates,Lane 2: human K562 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-OIP5 antigen affinity purified polyclonal antibody (#AAA127478) 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 OIP5 at approximately 22 kDa. The expected band size for OIP5 is at 25 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-OIP5 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-OIP5 antibody	Primary Antibodies; Golgi Proteins; Protein Trafficking; Signal Transduction; Vesicle Transport
References	1. Fujita, Y., Hayashi, T., Kiyomitsu, T., Toyoda, Y., Kokubu, A., Obuse, C., Yanagida, M. Priming of centromere for CENP-A recruitment by human hMi18-alpha, hMis18-beta, and M18BP1. Dev. Cell 12: 17-30, 2007.2. Gross, M. B. Personal Communication. Baltimore, Md. 10/2/2018.3. Nardi, I. K., Zasadzinska, E., Stellfox, M. E., Knippler, C. M., Foltz, D. R. Licensing of centromeric chromatin assembly through the Mis18-alpha-Mis18-beta heterotetramer. Molec. Cell 61: 774-787, 2016.

NCBI AND UNIPROT INFORMATION

NCBI GI #	24307929
NCBI GeneID	11339
NCBI Accession #	NP_009211.1
NCBI GenBank Nucleotide #	NM_007280.1
UniProt Accession #	O43482; Q96BX7
Molecular Weight	24,691 Da
NCBI Official Full Name	protein Mis18-beta
NCBI Official Synonym Full Names	Opa interacting protein 5
NCBI Official Symbol	OIP5
NCBI Official Synonym Symbols	CT86; MIS18B; LINT-25; MIS18beta; hMIS18beta; 5730547N13Rik
NCBI Protein Information	protein Mis18-beta; OIP-5; LAP2alpha interactor-25; cancer/testis antigen 86; opa-interacting protein 5; MIS18 kinetochore protein homolog B
UniProt Protein Name	Protein Mis18-beta
UniProt Gene Name	OIP5
UniProt Synonym Gene Names	MIS18B; CT86; OIP-5

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/oip5-antibody-flow-cytometry-western-blot-elisa/127478>