

Rabbit MOB3A/B/C Polyclonal Antibody | anti-MOB3A/B/C antibody

Anti-MOB3A/B/C Antibody Picoband

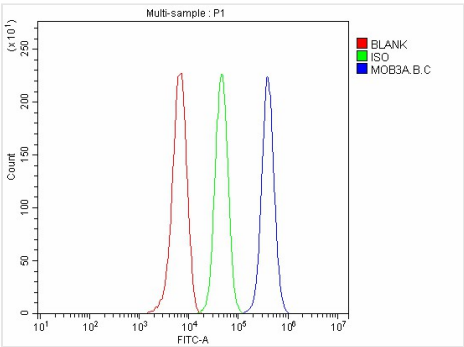
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127881	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

MOB3A/B/C; Polyclonal Antibody; Anti-MOB3A/B/C Antibody Picoband; anti-MOB3A/B/C antibody

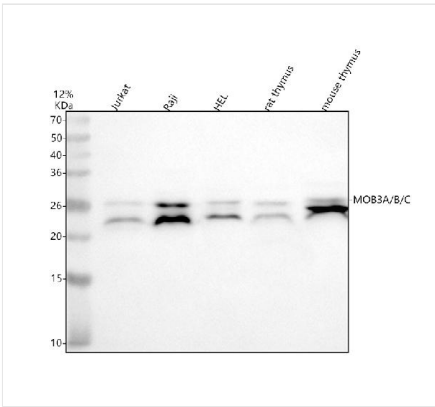
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
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-MOB3A/B/C antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human MOB3A/B/C recombinant protein (Position: E30-H217). Human MOB3A/B/C shares 93.6% amino acid (aa) sequence identity with mouse MOB3A/B/C.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
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 Raji cells using anti-MOB3A/B/C antibody (AAA127881). Overlay histogram showing Raji cells stained with AAA127881 (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-MOB3A/B/C Antibody (AAA127881, 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 MOB3A/B/C using anti-MOB3A/B/C antibody (AAA127881). 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 Jurkat whole cell lysates, Lane 2: human Raji whole cell lysates, Lane 3: human HEL whole cell lysates, Lane 4: rat thymus tissue lysates, Lane 5: mouse thymus tissue 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-MOB3A/B/C antigen affinity purified polyclonal antibody (#AAA127881) 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 MOB3A/B/C at approximately 25 kDa. The expected band size for MOB3A/B/C is at 25 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-MOB3A/B/C 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-MOB3A/B/C antibody	Primary Antibodies
References	1. Kang, Y., & O'Connell, B. C. (2018). "MOB3A, a member of the MOB family, regulates cell cycle progression and affects the stability of cyclin D1." Journal of Biological Chemistry, 293(46), 17715-17725.2. Knebel, A., & Mendez, R. (2009). "Regulation of the NDR kinases: insights from MOB protein interactions." Cellular Signalling, 21(5), 618-626.3. Cohen, P., & Frame, S. (2001). "The renaissance of GSK3." Nature Reviews Molecular Cell Biology, 2(7), 469-476.

NCBI AND UNIPROT INFORMATION

NCBI GI #	18677731
NCBI GeneID	126308
NCBI Accession #	NP_570719.1
NCBI GenBank Nucleotide #	NM_130807.2
UniProt Accession #	Q96BX8; O75249; Q8TF69; B3KTF1
Molecular Weight	25,464 Da
NCBI Official Full Name	MOB kinase activator 3A
NCBI Official Synonym Full Names	MOB kinase activator 3A
NCBI Official Symbol	MOB3A

NCBI Official Synonym Symbols	MOB1C; moblak; MOB-LAK; MOBKL2A
NCBI Protein Information	MOB kinase activator 3A
UniProt Protein Name	MOB kinase activator 3A
UniProt Gene Name	MOB3A
UniProt Synonym Gene Names	MOBKL2A

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/mob3a-b-c-antibody-flow-cytometry-western-blot-elisa/127881>