

Rabbit ALYREF Polyclonal Antibody | anti-ALYREF antibody

Anti-ALYREF Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126321	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot

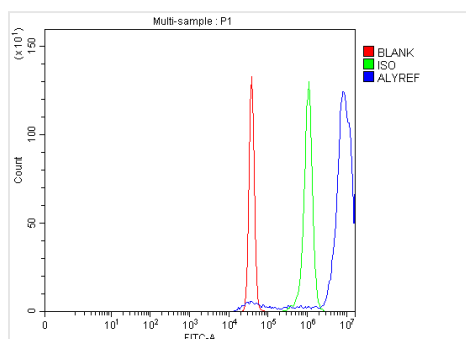
PRODUCT SYNONYMS

ALYREF; Polyclonal Antibody; Anti-ALYREF Antibody Picoband; anti-ALYREF antibody

PRODUCT SPECIFICATIONS

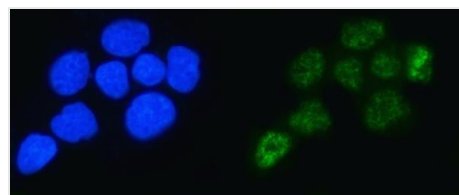
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-ALYREF antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human ALYREF recombinant protein (Position: M1-S257).
Preparation and Storage	Store 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.

IMAGES



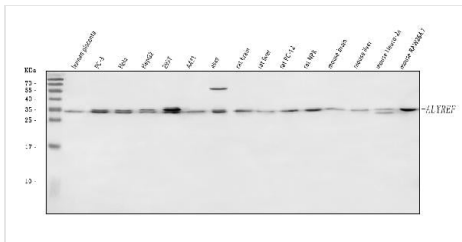
FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of SiHa cells using anti-ALYREF antibody (AAA126321). Overlay histogram showing SiHa cells stained with AAA126321 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-ALYREF Antibody (AAA126321, 1 ug/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 (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



IF (Immunofluorescence)

Figure 2. IF analysis of ALYREF using anti-ALYREF antibody (AAA126321). ALYREF was detected in an immunocytochemical section of A431 cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 ug/mL rabbit anti-ALYREF Antibody (AAA126321) overnight at 4 degree C. DyLight488 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



WB (Western Blot)

Figure 1. Western blot analysis of ALYREF using anti-ALYREF antibody (AAA126321). 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 placenta tissue lysates, Lane 2: human PC-3 whole cell lysates, Lane 3: human Hela whole cell lysates, Lane 4: human HepG2 whole cell lysates, Lane 5: human 293T whole cell lysates, Lane 6: human A431 whole cell lysates, Lane 7: human A549 whole cell lysates, Lane 8: rat brain tissue lysates, Lane 9: rat liver tissue lysates, Lane 10: rat PC-12 whole cell lysates, Lane 11: rat NRK whole cell lysates, Lane 12: mouse brain tissue lysates, Lane 13: mouse liver tissue lysates, Lane 14: mouse Neuro-2a whole cell lysates, Lane 15: mouse RAW264.7 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-ALYREF antigen affinity purified polyclonal antibody (#AAA126321) at 0.5 ug/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 ALYREF at approximately 35 kDa. The expected band size for ALYREF is at 27 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-ALYREF antibody	Aly/REF export factor, also known as THO complex subunit 4 is a protein that in humans is encoded by the ALYREF gene. The protein encoded by this gene is a heat stable, nuclear protein and functions as a molecular chaperone. It is thought to regulate dimerization, DNA binding, and transcriptional activity of basic region-leucine zipper (bZIP) proteins.
Product Categories/Family for anti-ALYREF antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	238776833
NCBI GeneID	10189
NCBI Accession #	NP_005773.3
NCBI GenBank Nucleotide #	NM_005782.3
UniProt Accession #	Q86V81; O43672
Molecular Weight	26,888 Da
NCBI Official Full Name	THO complex subunit 4
NCBI Official Synonym Full Names	Aly/REF export factor
NCBI Official Symbol	ALYREF
NCBI Official Synonym Symbols	ALY; BEF; REF; THOC4; ALY/REF
NCBI Protein Information	THO complex subunit 4; tho4; THO complex 4; bZIP enhancing factor; ally of AML-1 and LEF-1; bZIP-enhancing factor BEF; transcriptional coactivator Aly/REF
UniProt Protein Name	THO complex subunit 4
UniProt Gene Name	ALYREF

UniProt Synonym Gene Names	ALY; BEF; THOC4; Tho4
UniProt Entry Name	THOC4_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/alyref-antibody-flow-cytometry-immunofluorescence-immunocytochemistry-western-blot-elisa/126321>