

Rabbit ERGIC1 Polyclonal Antibody | anti-ERGIC1 antibody

Anti-ERGIC1 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126586	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

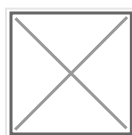
PRODUCT SYNONYMS

ERGIC1; Polyclonal Antibody; Anti-ERGIC1 Antibody Picoband; anti-ERGIC1 antibody

PRODUCT SPECIFICATIONS

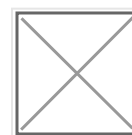
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-ERGIC1 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human ERGIC1 recombinant protein (Position: S42-H290).
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 U87 cells using anti-ERGIC1 antibody (AAA126586). Overlay histogram showing U87 cells stained with AAA126586 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-ERGIC1 Antibody (AAA126586, 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.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of MCF-7 cells using anti-ERGIC1 antibody (AAA126586). Overlay histogram showing MCF-7 cells stained with AAA126586 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-ERGIC1 Antibody (AAA126586, 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.



WB (Western Blot)

Figure 1. Western blot analysis of ERGIC1 using anti-ERGIC1 antibody (AAA126586). 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 HepG2 whole cell lysates, Lane 2: human U-87MG whole cell lysates, Lane 3: rat brain tissue lysates, Lane 4: rat liver tissue lysates, Lane 5: rat RH35 whole cell lysates, Lane 6: mouse brain tissue lysates, Lane 7: mouse liver tissue lysates, Lane 8: 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-ERGIC1 antigen affinity purified polyclonal antibody (#AAA126586) 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 ERGIC1 at approximately 35 kDa. The expected band size for ERGIC1 is at 33 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-ERGIC1 antibody	This gene encodes a cycling membrane protein which is an endoplasmic reticulum-golgi intermediate compartment (ERGIC) protein which interacts with other members of this protein family to increase their turnover.
Product Categories/Family for anti-ERGIC1 antibody	Primary Antibodies , Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	72534712
NCBI GeneID	57222
NCBI Accession #	NP_001026881.1
NCBI GenBank Nucleotide #	NM_001031711.2
UniProt Accession #	Q969X5 ; Q9H0L0 ; Q9H2J2 ; Q9ULN9
Molecular Weight	32,592 Da
NCBI Official Full Name	endoplasmic reticulum-Golgi intermediate compartment protein 1
NCBI Official Synonym Full Names	endoplasmic reticulum-golgi intermediate compartment (ERGIC) 1
NCBI Official Symbol	ERGIC1
NCBI Official Synonym Symbols	NET24; ERGIC32; ERGIC-32; FLJ39864; KIAA1181; MGC14345
NCBI Protein Information	endoplasmic reticulum-Golgi intermediate compartment protein 1; OTTHUMP00000161076; ER-Golgi intermediate compartment 32 kDa protein; endoplasmic reticulum-golgi intermediate compartment 32 kDa protein
UniProt Protein Name	Endoplasmic reticulum-Golgi intermediate compartment protein 1
UniProt Gene Name	ERGIC1
UniProt Synonym Gene Names	ERGIC32; KIAA1181
UniProt Entry Name	ERGI1_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.