Rabbit anti-Human ERLEC1 Polyclonal Antibody | anti-ERLEC1 antibody

Anti-ERLEC1 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126592	**Rabbit**	**Human**	**Western Blot, Flow Cytometry, Functional Assay, ELISA**

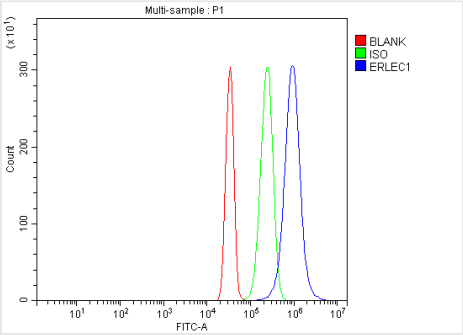
PRODUCT SYNONYMS

ERLEC1; Polyclonal Antibody; Anti-ERLEC1 Antibody Picoband; anti-ERLEC1 antibody

PRODUCT SPECIFICATIONS

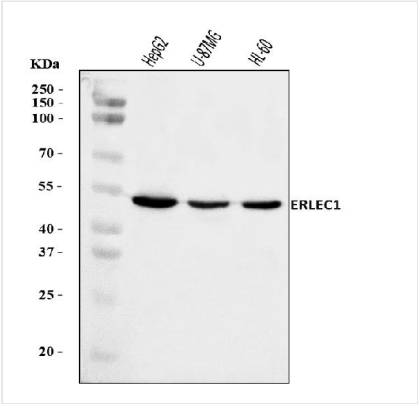
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-ERLEC1 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), ELISA
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human ERLEC1 recombinant protein (Position: L34-N483).
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 2. Flow Cytometry analysis of SiHa cells using anti-ERLEC1 antibody (AAA126592).Overlay histogram showing SiHa cells stained with AAA126592 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-ERLEC1 Antibody (AAA126592, 1 ug/1x10^6 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/1x10^6) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)

Figure 1. Western blot analysis of ERLEC1 using anti-ERLEC1 antibody (AAA126592).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: human HL-60 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-ERLEC1 antigen affinity purified polyclonal antibody (#AAA126592) 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 ERLEC1 at approximately 55 kDa. The expected band size for ERLEC1 is at 55 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-ERLEC1 antibody	Endoplasmic reticulum lectin 1 is a protein that in humans is encoded by the ERLEC1 gene. This gene encodes a resident endoplasmic reticulum (ER) protein that functions in N-glycan recognition. This protein is thought to be involved in ER-associated degradation via its interaction with the membrane-associated ubiquitin ligase complex. It also functions as a regulator of multiple cellular stress-response pathways in a manner that promotes metastatic cell survival. Alternative splicing results in multiple transcript variants. A related pseudogene has been identified on chromosome 21.
Product Categories/Family for anti-ERLEC1 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	188528698
NCBI GeneID	27248
NCBI Accession #	NP_001120870.1
NCBI GenBank Nucleotide #	NM_001127398.2
UniProt Accession #	Q96DZ1; O95901; Q6UWN7; Q9NUY7; Q9UQL4; B2RDB4; B5MC72
Molecular Weight	54,858 Da
NCBI Official Full Name	endoplasmic reticulum lectin 1 isoform 3
NCBI Official Synonym Full Names	endoplasmic reticulum lectin 1
NCBI Official Symbol	ERLEC1
NCBI Official Synonym Symbols	CIM; XTP3-B; C2orf30; CL24936; CL25084; XTP3TPB

NCBI Protein Information	endoplasmic reticulum lectin 1; ER lectin; erlectin 1; XTP3-transactivated protein B; XTP3-transactivated gene B protein; cancer invasion and metastasis-related
UniProt Protein Name	Endoplasmic reticulum lectin 1
UniProt Gene Name	**ERLEC1**
UniProt Synonym Gene Names	C2orf30; XTP3TPB; Erlectin
UniProt Entry Name	ERLEC_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://www.aaabiotech.com/polyclonal/erlec1-antibody-western-blot-flow-cytometry-elisa/126592