

Rabbit LETM1 Polyclonal Antibody | anti-LETM1 antibody

LETM1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA234206	Rabbit	Human, Rat, Mouse	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

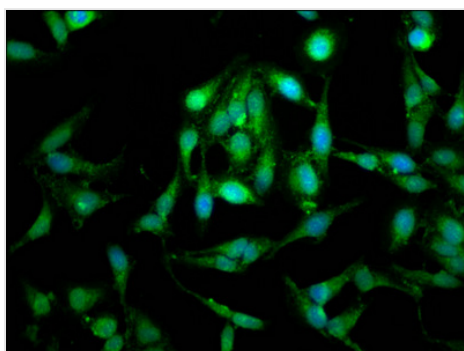
PRODUCT SYNONYMS

LETM1; Polyclonal Antibody; LETM1 Antibody; Mitochondrial proton/calcium exchanger protein; Leucine zipper-EF-hand-containing transmembrane protein 1; anti-LETM1 antibody

PRODUCT SPECIFICATIONS

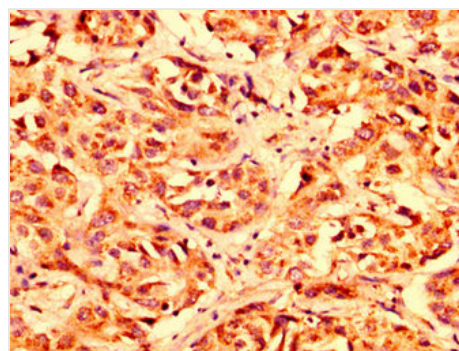
Host	Rabbit
Reactivity	Human, Rat, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	739
Applicable Applications for anti-LETM1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant Human Mitochondrial proton/calcium exchanger protein (443-543AA)
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



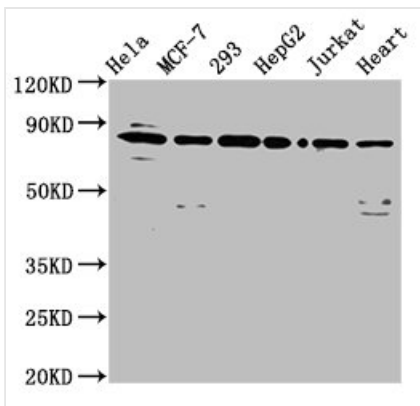
IHC (Immunohistochemistry)

Immunofluorescence staining of HeLa cells with AAA234206 at 1:100, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



IHC (Immunohistochemistry)

IHC image of AAA234206 diluted at 1:300 and staining in paraffin-embedded human liver cancer tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



WB (Western Blot)

Western BlotPositive WB detected in: HeLa whole cell lysate, MCF-7 whole cell lysate, 293 whole cell lysate, HepG2 whole cell lysate, Jurkat whole cell lysate, Mouse heart tissueAll lanes: LETM1 antibody at 6.5ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 84, 30, 34 KDaObserved band size: 84 KDa

ADDITIONAL INFORMATION

Related Product Information for anti-LETM1 antibody	Mitochondrial proton/calcium antiporter that mediates proton-dependent calcium efflux from mitochondrion (PubMed:19797662). Crucial for the maintenance of mitochondrial tubular networks and for the assembly of the supercomplexes of the respiratory chain (PubMed:18628306). Required for the maintenance of the tubular shape and cristae organization (PubMed:18628306). In contrast to SLC8B1/NCLX, does not constitute the major factor for mitochondrial calcium extrusion (PubMed:24898248).
Product Categories/Family for anti-LETM1 antibody	Tags & Cell Markers ; Metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	6912482
NCBI GeneID	3954
NCBI Accession #	NP_036450.1
NCBI GenBank Nucleotide #	NM_012318.2
UniProt Accession #	O95202 ; Q9UF65 ; B4DED2
Molecular Weight	33,245 Da
NCBI Official Full Name	mitochondrial proton/calcium exchanger protein
NCBI Official Synonym Full Names	leucine zipper and EF-hand containing transmembrane protein 1
NCBI Official Symbol	LETM1
NCBI Official Synonym Symbols	SLC55A1
NCBI Protein Information	mitochondrial proton/calcium exchanger protein; LETM1 and EF-hand domain-containing protein 1, mitochondrial
UniProt Protein Name	Mitochondrial proton/calcium exchanger protein
UniProt Gene Name	LETM1

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/letm1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/234206>