10320 Camino Santa Fe, Suite G
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LZIC Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17735c

Specification

LZIC Antibody (Center) - Product Information

Application	**IF, WB, FC, IHC-P-Leica,E**
Primary Accession	Q8WZA0
Other Accession	Q5PQN7, Q8K3C3, Q6DHH7, NP_115744.2
Reactivity	**Human, Rat**
Predicted	**Zebrafish, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**81-109**

LZIC Antibody (Center) - Additional Information

Gene ID 84328

Other Names
Protein LZIC, Leucine zipper and CTNNBIP1 domain-containing protein, Leucine zipper and ICAT homologous domain-containing protein, LZIC

Target/Specificity
This LZIC antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 81-109 amino acids from the Central region of human LZIC.

Dilution
IF~~1:25
WB~~1:2000
FC~~1:25
IHC-P-Leica~~1:500
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
LZIC Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

LZIC Antibody (Center) - Protein Information

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Name LZIC

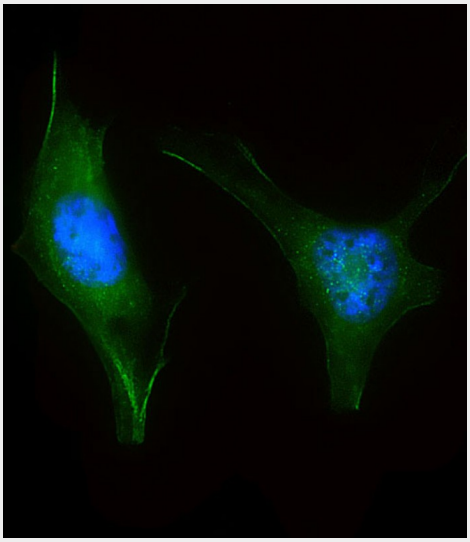
Tissue Location
Ubiquitously expressed, with highest levels in kidney. Up-regulated in several cases of gastric cancers

LZIC Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

LZIC Antibody (Center) - Images



Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0. 1% Triton X-100 permeabilized Hela cells labeling LZIC with AP17735 at 1/25 dilution, followed by Dylight® 488-conjugated goat anti-Rabbit IgG secondary antibody at 1/200 dilution (green). Immunofluorescence image showing Nucleus and Cytoplasm□Weak Membrane staining on Hela cell line. The nuclear counter stain is DAPI (blue).

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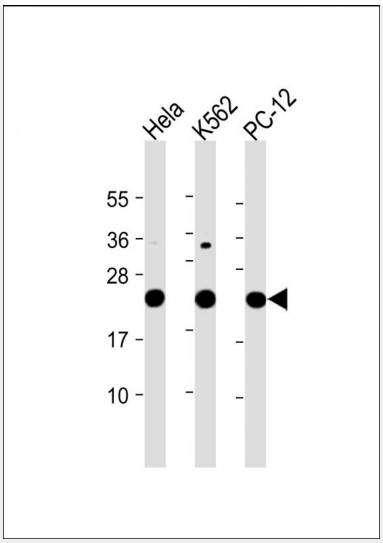
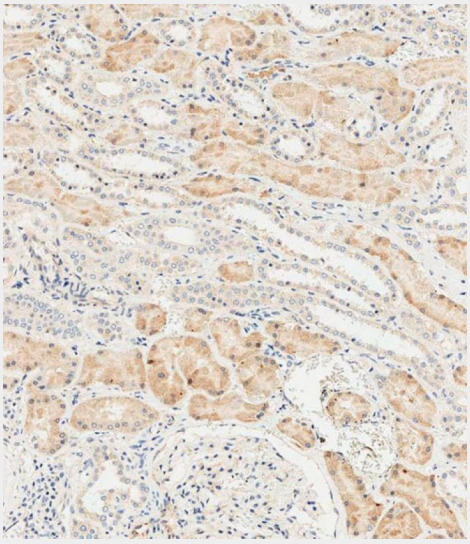


All lanes : Anti-LZIC Antibody (Center) at 1:2000 dilution Lane 1: Hela whole cell lysate Lane 2: K562 whole cell lysate Lane 3: PC-12 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 21 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Immunohistochemical analysis of paraffin-embedded human kidney tissue using AP17735 performed on the Leica® BOND RXm. Samples were incubated with primary antibody(1/500) for 1 hours at room temperature. A undiluted biotinylated CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.

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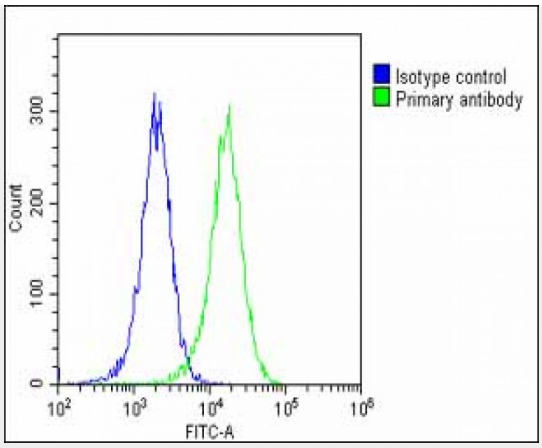

Overlay histogram showing Hela cells stained with AP17735c(green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then icubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AP17735c, 1:25 dilution) for 60 min at 37ºC. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(1583138) at 1/200 dilution for 40 min at 37ºC. Isotype control antibody (blue line) was rabbit IgG1 (1µg/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.

LZIC Antibody (Center) - Background

LZIC belongs to the CTNNBIP1 family. It is ubiquitously expressed with highest levels in kidney. LZIC is up-regulated in several cases of gastric cancers.

LZIC Antibody (Center) - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)
Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)
Lamesch, P., et al. Genomics 89(3):307-315(2007)
Katoh, M. Int. J. Mol. Med. 8(6):611-615(2001)