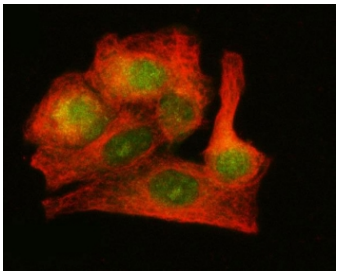
LZIC Antibody / Leucine zipper and ICAT homologous domain-containing protein (RQ8584)

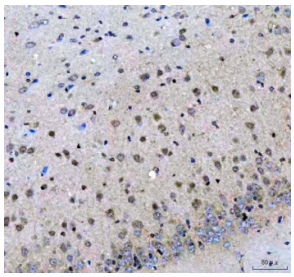
Catalog No.	Formulation	Size
RQ8584	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

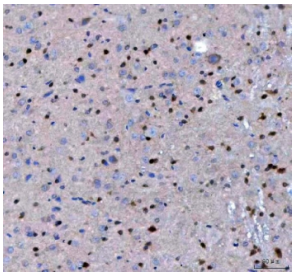
Availability	1-3 days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q8WZA0
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Immunofluorescence : 5ug/ml Flow Cytometry : 1-3ug/million cells ELISA : 0.1-0.5ug/ml Immunoprecipitation : 2ug per 500ug of lysate
Limitations	This LZIC antibody is available for research use only.



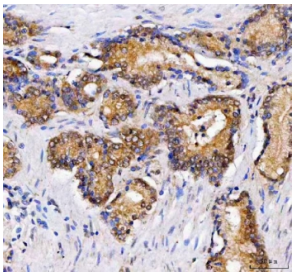
Immunofluorescent staining of FFPE human A549 cells with LZIC antibody (green) and Beta Tubulin mAb (red). HIER: steam section in pH6 citrate buffer for 20 min.



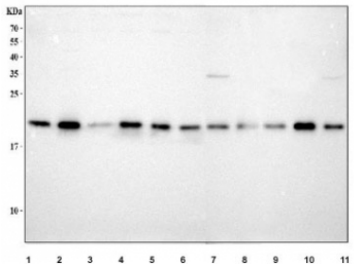
IHC staining of FFPE mouse brain tissue with LZIC antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



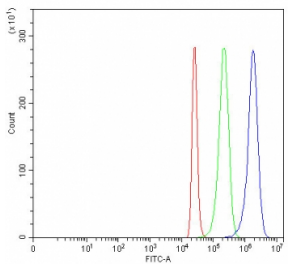
IHC staining of FFPE rat brain tissue with LZIC antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



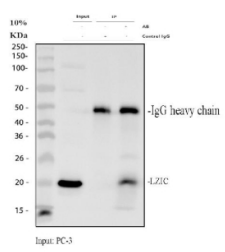
IHC staining of FFPE human prostate cancer tissue with LZIC antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) human PC-3, 2) human HepG2, 3) human 293T, 4) human K562, 5) human HEL, 6) human Jurkat, 7) rat brain, 8) rat thymus, 9) mouse brain, 10) mouse thymus and 11) mouse NIH 3T3 cell lysate with LZIC antibody. Predicted molecular weight ~21 kDa.



Flow cytometry testing of fixed and permeabilized human 293T cells with LZIC antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= LZIC antibody.



Immunoprecipitation of LZIC protein from 500ug of human PC-3 whole cell lysate with 2ug of LZIC antibody.

Description

LZIC (Leucine zipper and ICAT homologous domain-containing protein) is a cytoplasmic protein thought to function in signal transduction and gene regulation. While its precise molecular mechanisms are still being explored, LZIC has been linked to pathways that regulate cell proliferation, neuronal development, and stress responses.

LZIC expression has been detected in multiple tissues, including brain and muscle, suggesting broad physiological roles. Research indicates that alterations in LZIC may contribute to cancer progression and neurological disorders, highlighting its potential relevance in both developmental and disease contexts.

Using a high-quality LZIC antibody allows for sensitive detection in applications such as western blot, immunohistochemistry, and immunofluorescence. An LZIC antibody from NSJ Bioreagents ensures reproducibility and specificity for studies involving cell signaling, transcriptional regulation, and disease mechanisms. Selecting the right LZIC antibody is essential for generating accurate and consistent research results.

Application Notes

Optimal dilution of the LZIC antibody should be determined by the researcher.

Immunogen

An E.coli-derived human recombinant protein (amino acids N67-K187) was used as the immunogen for the LZIC antibody.

Storage

After reconstitution, the LZIC antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.