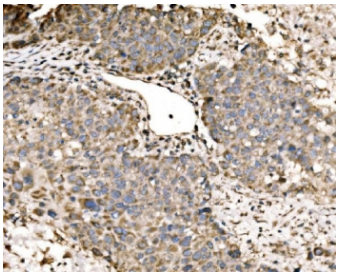
LACTB Antibody / MRPL56 (RQ6567)

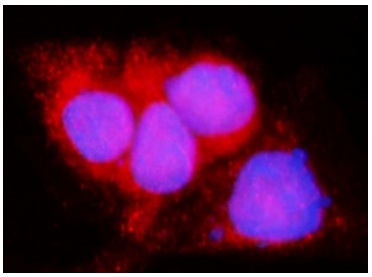
Catalog No.	Formulation	Size
RQ6567	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

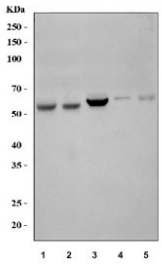
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P83111
Localization	Cytoplasmic
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Immunofluorescence : 5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This LACTB antibody is available for research use only.



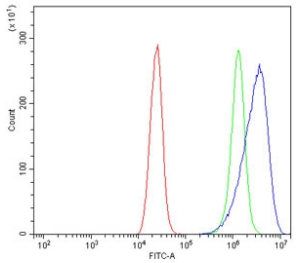
IHC staining of FFPE human liver cancer tissue with LACTB antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Immunofluorescent staining of FFPE human A431 cells with LACTB antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of human 1) HepG2, 2) HeLa, 3) RT4, 4) A431 and 5) U-2 OS cell lysate with LACTB antibody. Expected molecular weight: 54-60 kDa.



Flow cytometry testing of human Caco-2 cells with LACTB antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= LACTB antibody.

Description

Serine beta-lactamase-like protein LACTB, mitochondrial is an enzyme that in humans is encoded by the LACTB gene. This gene encodes a mitochondrially-localized protein that has sequence similarity to prokaryotic beta-lactamases. Many of the residues responsible for beta-lactamase activity are not conserved in this protein, suggesting it may have a different enzymatic function. Increased expression of the related mouse gene was found to be associated with obesity. Alternative splicing results in multiple transcript variants encoding different protein isoforms.

Application Notes

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

Immunogen

An E. coli-derived human protein (amino acids E141-K543) was used as the immunogen for the LACTB antibody.

Storage

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

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