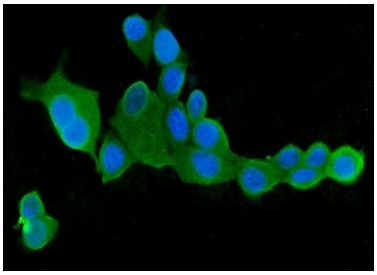
CLPX Monoclonal Antibody 11C11 / Caseinolytic protease X Monoclonal Antibody [clone 11C11] (RQ5618)

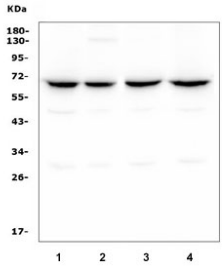
Catalog No.	Formulation	Size
RQ5618	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b
Clone Name	11C11
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	O76031
Localization	Cytoplasmic, nuclear
Applications	Western Blot : 0.5-1ug/ml Immunofluorescence : 2-4ug/ml
Limitations	This CLPX Monoclonal Antibody 11C11 / Caseinolytic protease X Monoclonal Antibody is available for research use only.



CLPX Monoclonal Antibody 11C11 / Caseinolytic protease X Monoclonal Antibody Immunofluorescence Analysis. IF/ICC staining of FFPE human MCF7 cells with CLPX antibody (green) at 2ug/ml and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of human 1) Raji, 2) HeLa, 3) HepG2 and 4) Caco-2 lysate with CLPX antibody. Predicted molecular weight ~69 kDa.

Description

CLPX Monoclonal Antibody 11C11 / Caseinolytic protease X Monoclonal Antibody detects ATP-dependent Clp protease ATP-binding subunit clpX-like, mitochondrial, an enzyme that in humans is encoded by the CLPX gene. This protein is a member of the family of AAA Proteins and is to form the protein complex of Clp protease. The protein encoded by this gene is part of a protease found in mitochondria. This protease is ATP-dependent and targets specific proteins for degradation. The protease consists of two heptameric rings of the CLPP catalytic subunit sandwiched between two hexameric rings of the chaperone subunit encoded by this gene. Targeted proteins are unwound by this protein and then passed on to the CLPP subunit for degradation. Two transcript variants, one protein-coding and the other non-protein coding, have been found for this gene.

See our CLPX Antibody for additional research into mitochondrial proteostasis, protein quality control, and CLPXP function.

Application Notes

Optimal dilution of the CLPX Monoclonal Antibody 11C11 / Caseinolytic protease X Monoclonal Antibody should be determined by the researcher.

Immunogen

A human recombinant protein (amino acids A337-E574) was used as the immunogen for the CLPX Monoclonal Antibody 11C11.

Storage

After reconstitution, the CLPX Monoclonal Antibody 11C11 can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Alternate Names

CLPX antibody, Caseinolytic Protease X antibody, ClpX antibody, ATP-Dependent Clp Protease ATP-Binding Subunit ClpX-Like antibody, EPP2 antibody

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
Copyright © NSJ Bioreagents. All rights reserved.