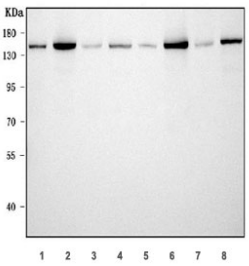
Tripeptidyl-peptidase 2 Antibody / TPP2 (RQ7457)

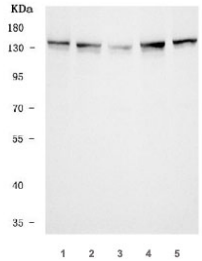
Catalog No.	Formulation	Size
RQ7457	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

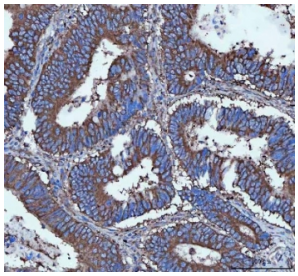
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P29144
Localization	Cytoplasmic, nuclear
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Immunofluorescence: 5ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This Tripeptidyl-peptidase 2 antibody is available for research use only.



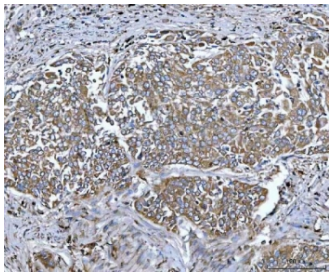
Western blot testing of 1) rat liver, 2) rat testis, 3) rat brain, 4) rat RH35, 5) mouse liver, 6) mouse testis, 7) mouse brain and 8) mouse NIH 3T3 cell lysate with Tripeptidyl-peptidase 2 antibody. Predicted molecular weight ~138 kDa.



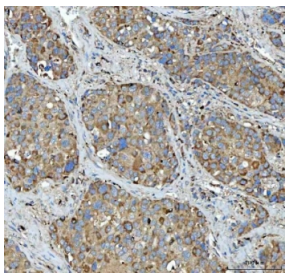
Western blot testing of human 1) Jurkat, 2) HeLa, 3) HepG2, 4) HEL and 5) K562 cell lysate with Tripeptidyl-peptidase 2 antibody. Predicted molecular weight ~138 kDa.



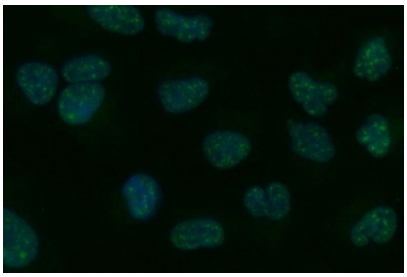
IHC staining of FFPE human colorectal adenocarcinoma tissue with Tripeptidyl-peptidase 2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



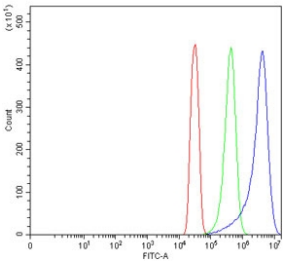
IHC staining of FFPE human lung cancer tissue with Tripeptidyl-peptidase 2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human liver cancer tissue with Tripeptidyl-peptidase 2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Immunofluorescent staining of FFPE human A549 cells with Tripeptidyl-peptidase 2 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



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

Description

Tripeptidyl-peptidase 2 is an enzyme that in humans is encoded by the TPP2 gene. This gene encodes a mammalian peptidase that, at neutral pH, removes tripeptides from the N terminus of longer peptides. The protein has a specialized function that is essential for some MHC class I antigen presentation. The protein is a high molecular mass serine exopeptidase; the amino acid sequence surrounding the serine residue at the active site is similar to the peptidases of the subtilisin class rather than the trypsin class.

Application Notes

Optimal dilution of the Tripeptidyl-peptidase 2 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids E32-K1001) was used as the immunogen for the Tripeptidyl-peptidase 2 antibody.

Storage

After reconstitution, the Tripeptidyl-peptidase 2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Copyright © NSJ Bioreagents. All rights reserved.