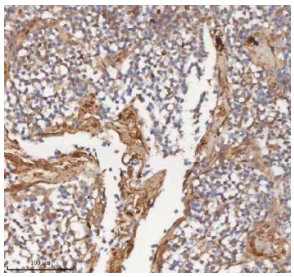
MIPEP Antibody / Mitochondrial intermediate peptidase (RQ8770)

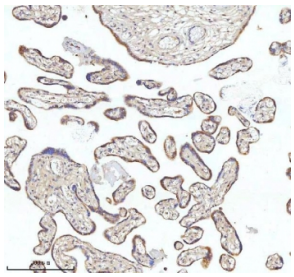
Catalog No.	Formulation	Size
RQ8770	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

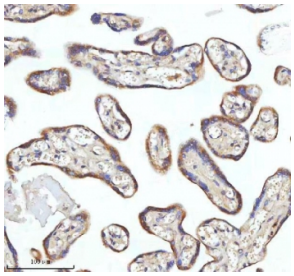
Availability	1-3 days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity chromatography
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q99797
Localization	Cytoplasm
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Flow Cytometry : 1-3ug/million cells ELISA : 0.1-0.5ug/ml
Limitations	This MIPEP antibody is available for research use only.



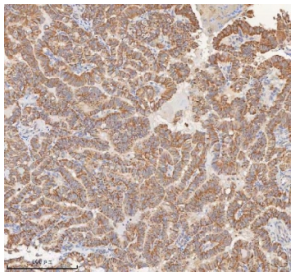
IHC staining of FFPE human tonsil tissue with MIPEP antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



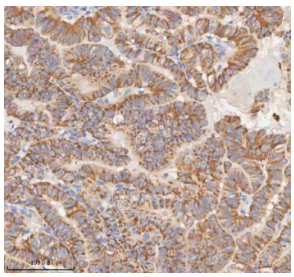
IHC staining of FFPE human placental tissue with MIPEP antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



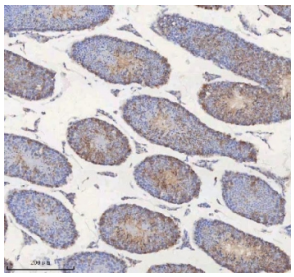
IHC staining of FFPE human placental tissue with MIPEP antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



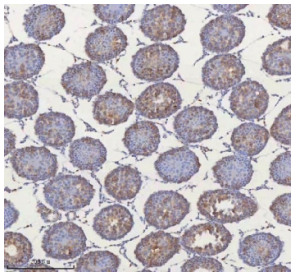
IHC staining of FFPE human thyroid papillary carcinoma tissue with MIPEP antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



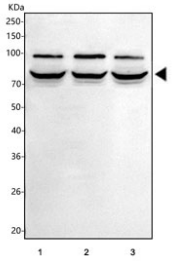
IHC staining of FFPE human thyroid papillary carcinoma tissue with MIPEP antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



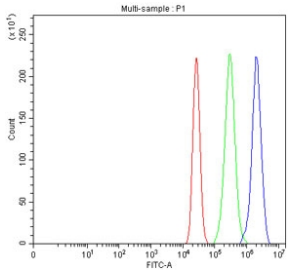
IHC staining of FFPE mouse testis tissue with MIPEP antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



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



Western blot testing of human 1) HepG2, 2) MCF7 and 3) Caco-2 cell lysate with MIPEP antibody. Predicted molecular weight ~81 kDa, commonly observed at 70-81 kDa.



Flow cytometry testing of fixed and permeabilized human MCF7 cells with MIPEP antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= MIPEP antibody.

Description

Mitochondrial intermediate peptidase is an enzyme that in humans is encoded by the MIPEP gene. The product of this gene performs the final step in processing a specific class of nuclear-encoded proteins targeted to the mitochondrial matrix or inner membrane. This protein is primarily involved in the maturation of oxidative phosphorylation (OXPHOS)-related proteins. This gene may contribute to the functional effects of frataxin deficiency and the clinical manifestations of Friedreich ataxia.

Application Notes

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

Immunogen

An E.coli-derived human recombinant protein (amino acids D357-E713) was used as the immunogen for the MIPEP antibody.

Storage

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

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com