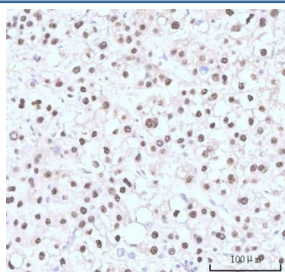


## Nesprin 3 Antibody / SYNE3 (RQ7746)

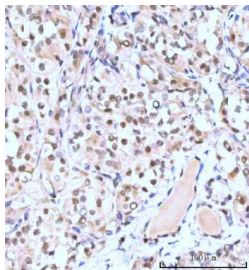
Catalog No.	Formulation	Size
RQ7746	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

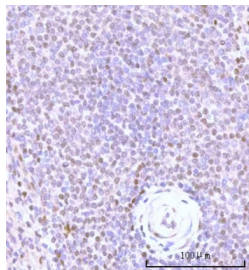
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose
<b>UniProt</b>	Q6ZMZ3
<b>Localization</b>	Nuclear, cytoplasmic
<b>Applications</b>	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
<b>Limitations</b>	This Nesprin 3 antibody is available for research use only.



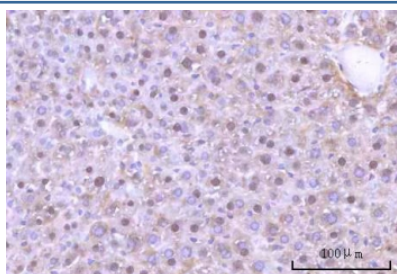
IHC staining of FFPE human liver cancer tissue with Nesprin 3 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



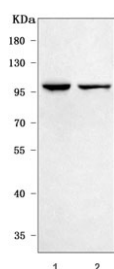
IHC staining of FFPE human thyroid papillary carcinoma tissue with Nesprin 3 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



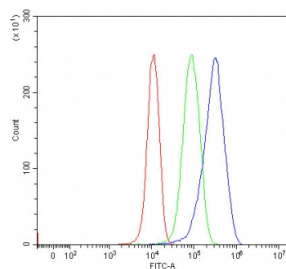
IHC staining of FFPE human spleen rupture tissue with Nesprin 3 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human mouse liver tissue with Nesprin 3 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) 293T and 2) HeLa cell lysate with Nesprin 3 antibody. Predicted molecular weight ~112 kDa.



Flow cytometry testing of human U-87 MG cells with Nesprin 3 antibody at 1 μg/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Nesprin 3 antibody.

## Description

Enables actin filament binding activity and cytoskeleton-nuclear membrane anchor activity. Involved in cytoskeleton organization; establishment of protein localization to membrane; and regulation of cell shape. Located in nuclear membrane. Part of meiotic nuclear membrane microtubule tethering complex. Biomarker of Huntington's disease.

## Application Notes

Optimal dilution of the Nesprin 3 antibody should be determined by the researcher.

## Immunogen

E. coli-derived recombinant human protein (amino acids R322-L495) was used as the immunogen for the Nesprin 3 antibody.

## Storage

After reconstitution, the Nesprin 3 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.