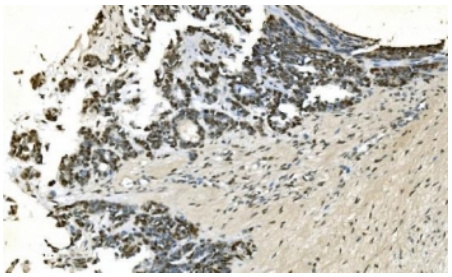
LSM7 Antibody (RQ6142)

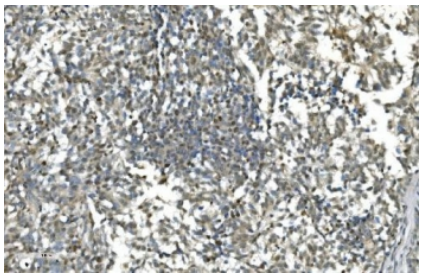
Catalog No.	Formulation	Size
RQ6142	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

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	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q9UK45
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Immunofluorescence : 5ug/ml Direct ELISA : 0.1-0.5ug/ml
Limitations	This LSM7 antibody is available for research use only.

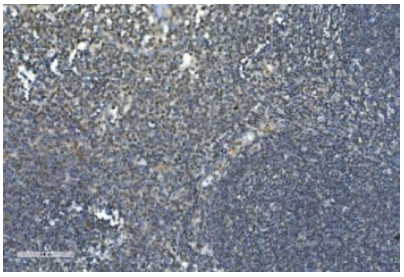


IHC staining of FFPE human ovarian cancer with LSM7 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.

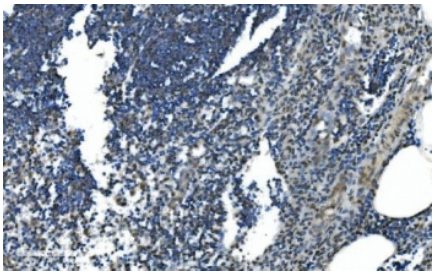


IHC staining of FFPE human melanoma with LSM7 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.

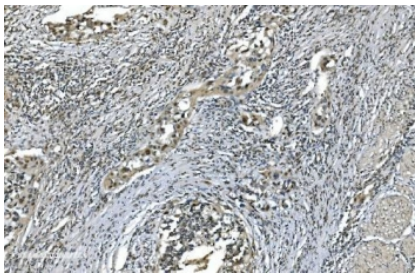
IHC staining of FFPE human skin cancer with LSM7 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



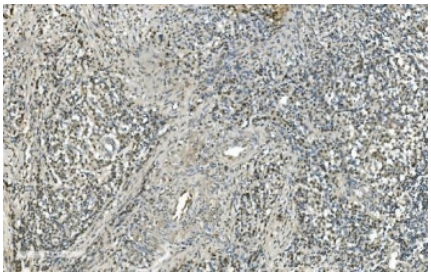
IHC staining of FFPE human tonsil with LSM7 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



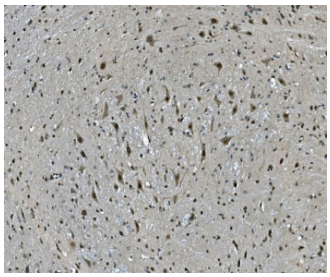
IHC staining of FFPE human appendicitis tissue with LSM7 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



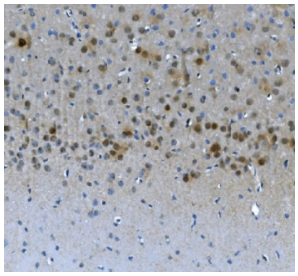
IHC staining of FFPE human bladder cancer with LSM7 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



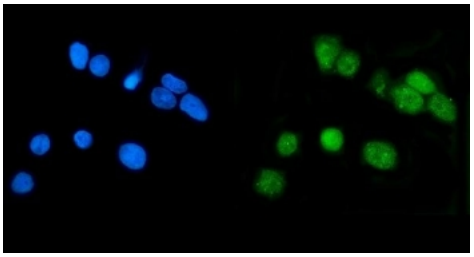
IHC staining of FFPE human gastric cancer with LSM7 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



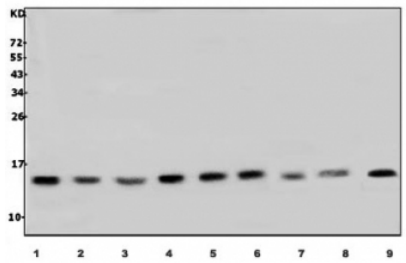
IHC staining of FFPE mouse brain with LSM7 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



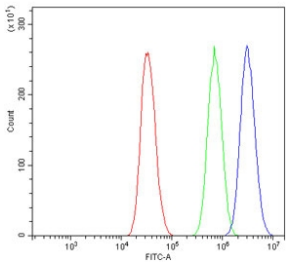
IHC staining of FFPE rat brain with LSM7 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Immunofluorescent staining of FFPE human MCF7 cells with LSM7 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of human 1) HL60, 2) HepG2, 3) U937, 4) HEK293, 5) MCF7, 6) Jurkat, 7) Raji, 8) rat brain and 9) mouse brain lysate with LSM7 antibody. Predicted molecular weight ~12 kDa.



Flow cytometry testing of human A431 cells with LSM7 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= LSM7 antibody.

Description

U6 snRNA-associated Sm-like protein LSm7 is a protein that in humans is encoded by the LSM7 gene. Sm-like proteins were identified in a variety of organisms based on sequence homology with the Sm protein family. Sm-like proteins contain the Sm sequence motif, which consists of 2 regions separated by a linker of variable length that folds as a loop. The Sm-like proteins are thought to form a stable heteromer present in tri-snRNP particles, which are important for pre-mRNA splicing.

Application Notes

Optimal dilution of the LSM7 antibody should be determined by the researcher.

Immunogen

A human recombinant partial protein (amino acids M1-A103) was used as the immunogen for the LSM7 antibody.

Storage

After reconstitution, the LSM7 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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