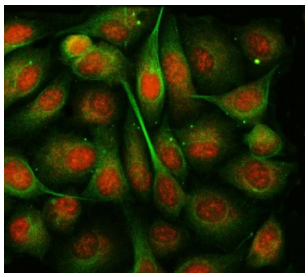
TSEN54 Antibody / tRNA-splicing endonuclease subunit Sen54 (RQ7897)

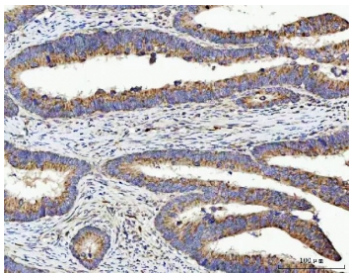
Catalog No.	Formulation	Size
RQ7897	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

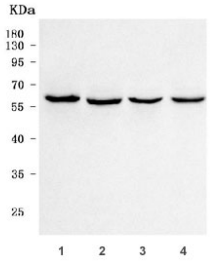
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q7Z6J9
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Immunofluorescence (FFPE): 5ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This TSEN54 antibody is available for research use only.



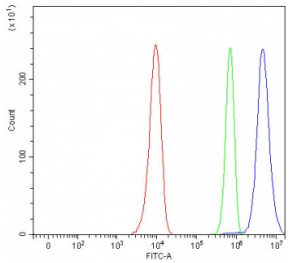
Immunofluorescent staining of FFPE human PC-3 cells with TSEN54 antibody (red) and Beta Tubulin mAb (green). HIER: steam section in pH6 citrate buffer for 20 min.



IHC staining of FFPE human colorectal adenocarcinoma tissue with TSEN54 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) MCF7, 2) 293T, 3) Jurkat and 4) MOLT-4 cell lysate with TSEN54 antibody. Predicted molecular weight ~59 kDa.



Flow cytometry testing of human HeLa cells with TSEN54 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= TSEN54 antibody.

Description

This gene encodes a subunit of the tRNA splicing endonuclease complex, which catalyzes the removal of introns from precursor tRNAs. The complex is also implicated in pre-mRNA 3-prime end processing. Mutations in this gene result in pontocerebellar hypoplasia type 2.

Application Notes

Optimal dilution of the TSEN54 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids D147-H507) was used as the immunogen for the TSEN54 antibody.

Storage

After reconstitution, the TSEN54 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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