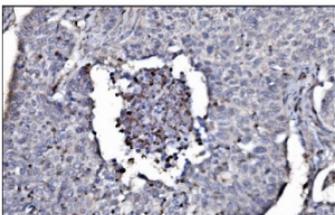


SLFN11 Antibody / Schlafen family member 11 (RQ6516)

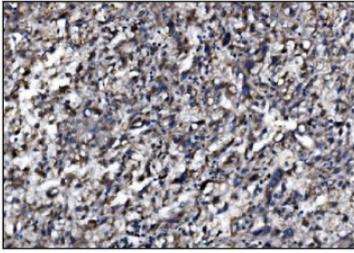
Catalog No.	Formulation	Size
RQ6516	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

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	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q7Z7L1
Localization	Nuclear
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This SLFN11 antibody is available for research use only.



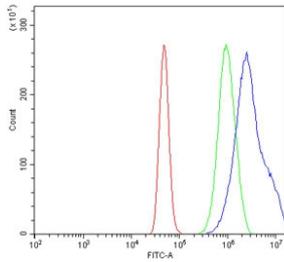
IHC staining of FFPE human lung cancer tissue with SLFN11 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human liver cancer tissue with SLFN11 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human Jurkat cell lysate with SLFN11 antibody. Predicted molecular weight ~103 kDa.



Flow cytometry testing of human A431 cells with SLFN11 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= SLFN11 antibody.

Description

Schlafen family member 11 is a protein that in humans is encoded by the SLFN11 gene. SLFN11 is a nuclear protein that belongs to the Schlafen (SLFN) family of genes involved in cell cycle regulation and growth inhibition. Expression of SLFN11 predicts sensitivity of cancer cell lines to DNA-damaging agents. Evidence suggests that in the presence of DNA-targeted therapies, SLFN11 is recruited to stressed replication forks where it blocks replication leading to cell death. SLFN11 is being explored as a predictive biomarker for response to DNA-targeted therapies.

Application Notes

Optimal dilution of the SLFN11 antibody should be determined by the researcher.

Immunogen

An E. coli-derived human protein (amino acids P114-D794) was used as the immunogen for the SLFN11 antibody.

Storage

After reconstitution, the SLFN11 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.

