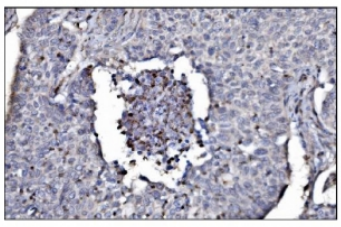
# SLFN11 Antibody / Schlafen family member 11 (RQ6516)

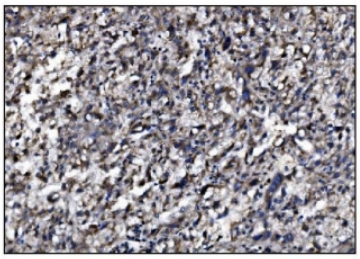
| Catalog No. | Formulation | Size |
|---|---|---|
| RQ6516 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

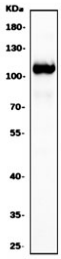
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Affinity purified |
| **Buffer** | Lyophilized from 1X PBS with 2% Trehalose |
| **UniProt** | Q7Z7L1 |
| **Localization** | Nuclear |
| **Applications** | Western blot: 1-2ug/ml<br>Immunohistochemistry (FFPE): 2-5ug/ml<br>Flow cytometry: 1-3ug/million cells<br>Direct ELISA: 0.1-0.5ug/ml |
| **Limitations** | This SLFN11 antibody is available for research use only. |



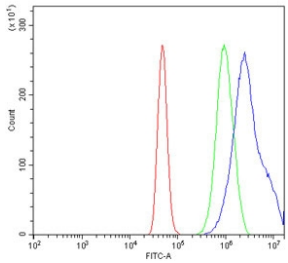
IHC staining of FFPE human lung cancer tissue with SLFN11 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



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 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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