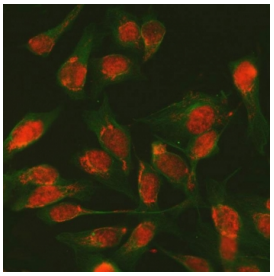
# SDE2 Antibody (RQ7495)

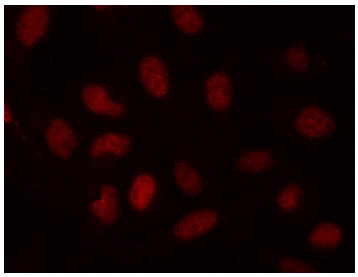
| Catalog No. | Formulation | Size |
|---|---|---|
| RQ7495 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

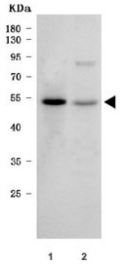
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Antigen affinity purified |
| **Buffer** | Lyophilized from 1X PBS with 2% Trehalose |
| **UniProt** | Q6IQ49 |
| **Localization** | Nuclear, cytoplasmic |
| **Applications** | Western blot: 0.5-1ug/ml<br>Immunofluorescence: 5ug/ml<br>Flow cytometry: 1-3ug/million cells<br>Direct ELISA: 0.1-0.5ug/ml<br>Immunohistochemistry (FFPE): 2-5ug/ml |
| **Limitations** | This SDE2 antibody is available for research use only. |



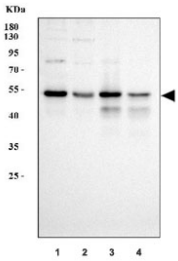
Immunofluorescent staining of FFPE human U-2 OS cells with SDE2 antibody (red) and Alpha Tubulin mAb (green). HIER: steam section in pH6 citrate buffer for 20 min.



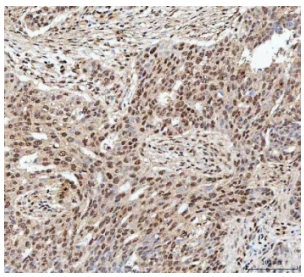
Immunofluorescent staining of FFPE human U-2 OS cells with SDE2 antibody (red). HIER: steam section in pH6 citrate buffer for 20 min.



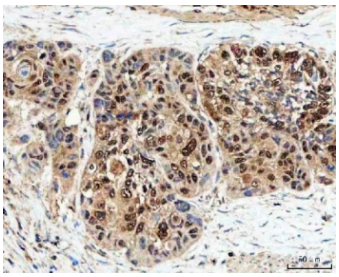

Western blot testing of human 1) K562 and 2) U-251 cell lysate with SDE2 antibody. Predicted molecular weight ~50 kDa.



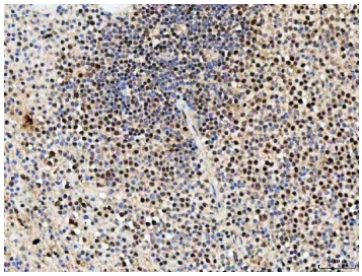

Western blot testing of human 1) K562, 2) HEL, 3) Jurkat and 4) ThP-1 cell lysate with SDE2 antibody. Predicted molecular weight ~50 kDa.



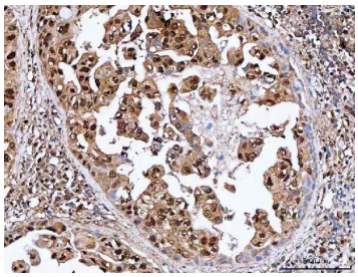
IHC staining of FFPE human ovarian serous adenocarcinoma tissue with SDE2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



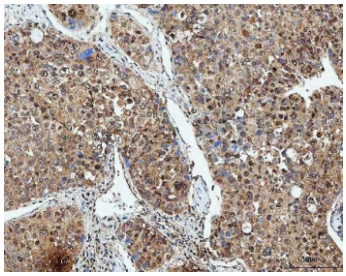
IHC staining of FFPE human esophageal squamous carcinoma tissue with SDE2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



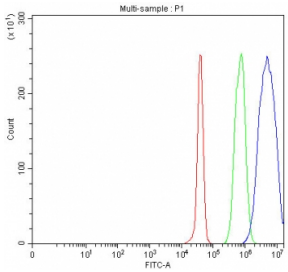
IHC staining of FFPE human spleen tissue with SDE2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human lung adenocarcinoma tissue with SDE2 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 SDE2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.




Flow cytometry testing of fixed and permeabilized human Jurkat cells with SDE2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= SDE2 antibody.

## Description

Splicing regulator SDE2 enables damaged DNA binding activity. Involved in several processes, including cellular response to UV; mitotic G1 DNA damage checkpoint signaling; and protein ubiquitination. Located in several cellular components, including Golgi apparatus; cytosol; and nuclear speck.

## Application Notes

Optimal dilution of the SDE2 antibody should be determined by the researcher.

## Immunogen

E. coli-derived recombinant human protein (amino acids I10-K447) was used as the immunogen for the SDE2 antibody.

## Storage

After reconstitution, the SDE2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Copyright © NSJ Bioreagents. All rights reserved.