

## ARG45265 anti-SDE2 antibody

Package: 50 µg  
Store at: -20°C

### Summary

|                     |   |
|---------------------|---|
| Product Description | Polyclonal antibody recognizes SDE2   |
| Tested Reactivity   | Hu  |
| Tested Application  | FACS, ICC/IF, IHC-P, WB   |
| Host                | Rabbit  |
| Clonality           | Polyclonal  |
| Isotype             | Rabbit IgG  |
| Target Name         | SDE2  |
| Species             | Human   |
| Immunogen           | Recombinant protein containing to human SDE2.   |
| Conjugation         | Un-conjugated   |
| Alternate Names     | SDE2; SDE2 Telomere Maintenance Homolog; C1orf55; Replication Stress Response Regulator SDE2; Splicing Regulator SDE2; FLJ35382; SDE2 Telomere Maintenance Homolog (S. Pombe); Chromosome 1 Open Reading Frame 55; UPF0667 Protein C1orf55; Protein SDE2 Homolog; DJ671D7.1 |

### Application Instructions

| Application table | Application  | Dilution                       |
|-------------------|--|--------------------------------|
|                   | FACS   | 1 - 3 µg/10 <sup>6</sup> cells |
|                   | ICC/IF   | 5 µg/ml                        |
|                   | IHC-P  | 2-5 µg/ml                      |
|                   | WB   | 0.25-0.5 µg/ml                 |
| Application Note  | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. |                                |
| Observed Size     | 54 kDa   |                                |

### Properties

|                     |  |
|---------------------|--|
| Form                | Liquid   |
| Purification        | Affinity purification with immunogen.  |
| Buffer              | 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.9% NaCl and 4% Trehalose.  |
| Stabilizer          | 4% Trehalose   |
| Concentration       | 0.5 mg/ml  |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed |

before use.

Note For laboratory research only, not for drug, diagnostic or other use.

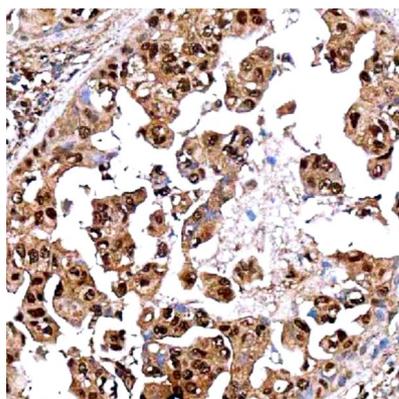
## Bioinformation

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|                       |   |
|-----------------------|---|
| Gene Symbol           | SDE2  |
| Gene Full Name        | SDE2 Telomere Maintenance Homolog   |
| Background            | 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. [provided by Alliance of Genome Resources, Nov 2024] |
| Function              | Inhibits translesion DNA synthesis by preventing monoubiquitination of PCNA, this is necessary to counteract damage due to ultraviolet light-induced replication stress. [UniProt]  |
| Calculated Mw         | 50 kDa  |
| PTM                   | Phosphoprotein; Ubl conjugation. [UniProt]  |
| Cellular Localization | Cytoplasm; Nucleus. [UniProt]   |

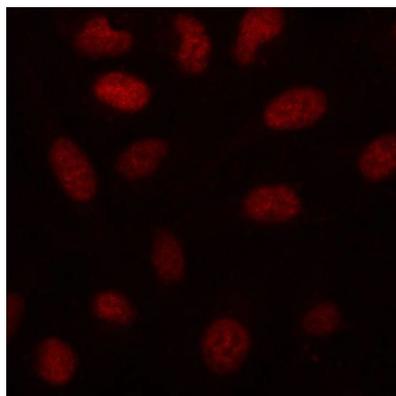
## Images

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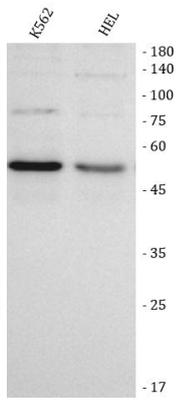
ARG45265 anti-SDE2 antibody IHC-P image

Immunohistochemistry: Human lung adenocarcinoma stained with ARG45265 anti-SDE2 antibody at 2  $\mu$ g/ml dilution.



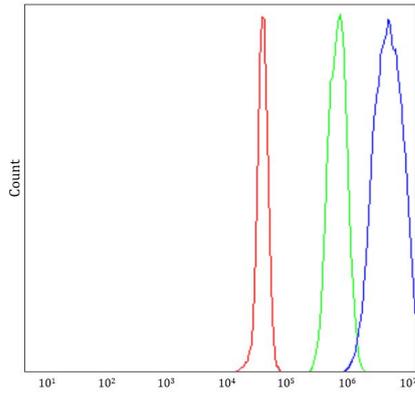
ARG45265 anti-SDE2 antibody ICC/IF image

Immunofluorescence: U2OS stained with ARG45265 anti-SDE2 antibody at 5  $\mu$ g/ml dilution.



#### ARG45265 anti-SDE2 antibody WB image

Western blot: K562 and HEL stained with ARG45265 anti-SDE2 antibody at 0.5  $\mu\text{g}/\text{ml}$  dilution.



#### ARG45265 anti-SDE2 antibody FACS image

Flow Cytometry: Jurkat stained with ARG45265 anti-SDE2 antibody at 1  $\mu\text{g}/10^6$  cells dilution.