# Recombinant SA2 Monoclonal Antibody

**catalog number:** **AN301918L**

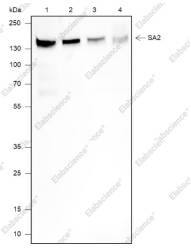
**Note:** *Centrifuge before opening to ensure complete recovery of vial contents.*

## Description

| | |
|---|---|
| **Reactivity** | Human;Mouse;Rat |
| **Immunogen** | Recombinant human SA2 fragment |
| **Host** | Rabbit |
| **Isotype** | Rabbit IgG |
| **Clone** | C121539 |
| **Purification** | Protein A affinity purification |
| **Conjugation** | Unconjugated |
| **Buffer** | PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant. |

| Applications | Recommended Dilution |
|---|---|
| **WB** | 1:1000 |
| **IHC** | 1:50-1:250 |

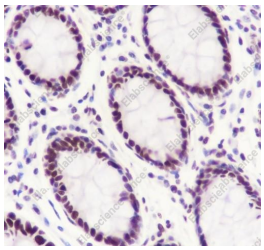
## Data



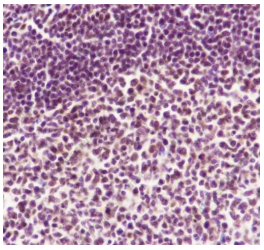

Western Blot with SA2 Monoclonal Antibody at dilution of 1:1000. Lane 1: MCF-7, Lane 2: K562, Lane 3: C6, Lane 4: Neuro-2a

**Observed-MW:141 kDa**

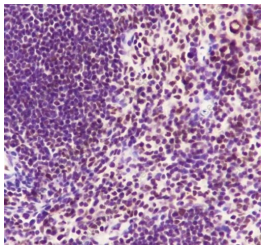
**Calculated-MW:141 kDa**



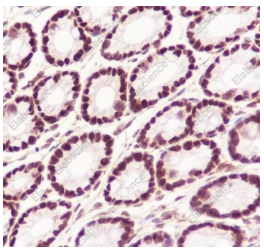
Immunohistochemistry of paraffin-embedded Human colon using SA2 Monoclonal Antibody at dilution of 1:250.



Immunohistochemistry of paraffin-embedded Human tonsil using SA2 Monoclonal Antibody at dilution of 1:250.



Immunohistochemistry of paraffin-embedded Mouse spleen using SA2 Monoclonal Antibody at dilution of 1:250.

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Immunohistochemistry of paraffin-embedded Rat colon using SA2 Monoclonal Antibody at dilution of 1:250.

## Preparation & Storage

| | |
|---|---|
| **Storage** | Store at -20°C Valid for 12 months. Avoid freeze/thaw cycles. |
| **Shipping** | Ice bag |

## Background

SA2, also named as STAG2, is a component of cohesin complex, a complex required for the cohesion of sister chromatids after DNA replication. The cohesin complex may play a role in spindle pole assembly during mitosis. Mutations in STAG2 appear to be a first step in the transformation of a normal cell into a cancer cell.


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