

Datasheet for ABIN914920

**anti-Separase antibody (AA 1851-1950) (Biotin)**[Go to Product page](#)

## Overview

|                      |  |
|----------------------|--|
| Quantity:            | 100 µL   |
| Target:              | Separase (ESPL1)   |
| Binding Specificity: | AA 1851-1950   |
| Reactivity:          | Human  |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This Separase antibody is conjugated to Biotin   |
| Application:         | ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)) |

## Product Details

|                       |  |
|-----------------------|--|
| Immunogen:            | KLH conjugated synthetic peptide derived from human Separase |
| Isotype:              | IgG  |
| Predicted Reactivity: | Human, Mouse, Rat, Dog, Cow, Pig, Horse, Rabbit              |
| Purification:         | Purified by Protein A.                                       |

## Target Details

|                   |  |
|-------------------|--|
| Target:           | Separase (ESPL1)   |
| Alternative Name: | Separase ( <a href="#">ESPL1 Products</a> )  |
| Background:       | Synonyms: Caspase like protein ESPL1, ESP 1, ESP1, ESP-1, ESPL 1, ESPL1, ESPL-1, Extra |

## Target Details

spindle poles like 1, Extra spindle poles like 1 protein, Separin, Similar to fission yeast cut1 and gene, SSE, Separase, ESPL1\_HUMAN.

Background: Stable cohesion between sister chromatids before anaphase and their timely separation during anaphase are critical for chromosome inheritance. In vertebrates, sister chromatid cohesion is released in 2 steps via distinct mechanisms. The first step involves phosphorylation of STAG1 (MIM 604358) or STAG2 (MIM 300826) in the cohesin complex. The second step involves cleavage of the cohesin subunit SCC1 (RAD21, MIM 606462) by ESPL1, or separase, which initiates the final separation of sister chromatids (Sun et al., 2009 [PubMed 19345191]).[supplied by OMIM, Nov 2010].

Gene ID: 9700

## Application Details

Application Notes: IHC-P 1:200-400  
IHC-F 1:100-500

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C for 12 months.

Expiry Date: 12 months