

## Rabbit ESPL1 Polyclonal Antibody | anti-ESPL1 antibody

ESPL1 Polyclonal Antibody

|                               |                       |                                        |                                                    |
|-------------------------------|-----------------------|----------------------------------------|----------------------------------------------------|
| CATALOG #<br><b>AAA170195</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, ELISA</b> |
|-------------------------------|-----------------------|----------------------------------------|----------------------------------------------------|

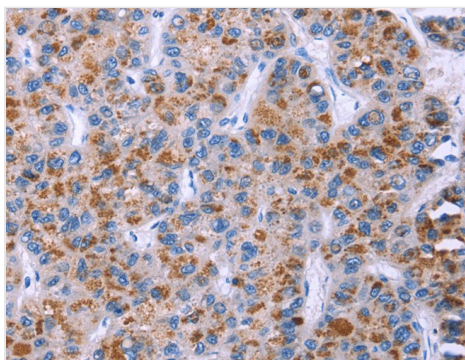
### PRODUCT SYNONYMS

ESPL1; Polyclonal Antibody; ESPL1 Polyclonal Antibody; ESP1; SEPA; anti-ESPL1 antibody

### PRODUCT SPECIFICATIONS

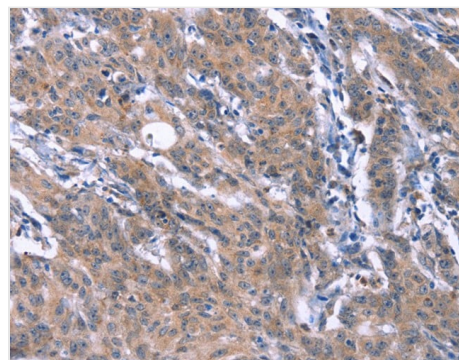
|                                                 |                                                                                           |
|-------------------------------------------------|-------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                    |
| Reactivity                                      | Human, Mouse, Rat                                                                         |
| Clonality                                       | Polyclonal                                                                                |
| Isotype                                         | IgG                                                                                       |
| Purity/Purification                             | Antigen affinity purification                                                             |
| Concentration                                   | 2.1mg/mL (varies by lot)                                                                  |
| Sequence Length                                 | 2118                                                                                      |
| Applicable Applications for anti-ESPL1 antibody | IHC (Immunohistochemistry), ELISA                                                         |
| Immunogen                                       | Synthetic peptide of human ESPL1                                                          |
| Buffer                                          | PBS with 0.05% sodium azide, 50% glycerol, pH7.3                                          |
| Preparation and Storage                         | Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles. |

### IMAGES



#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using ESPL1 Polyclonal Antibody at dilution 1:40



#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using ESPL1 Polyclonal Antibody at dilution 1:40

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-ESPL1 antibody | 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 or STAG2 in the cohesin complex. The second step involves cleavage of the cohesin subunit SCC1 by ESPL1, or separase, which initiates the final separation of sister chromatids. |
| Product Categories/Family for anti-ESPL1 antibody   | Cell Biology                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                              |
|----------------------------------|--------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 148877887                                                                                                    |
| NCBI GeneID                      | 105988                                                                                                       |
| Molecular Weight                 | 233,035 Da                                                                                                   |
| NCBI Official Full Name          | Espl1 protein                                                                                                |
| NCBI Official Synonym Full Names | extra spindle pole bodies 1 (S. cerevisiae)                                                                  |
| NCBI Official Symbol             | Espl1                                                                                                        |
| NCBI Official Synonym Symbols    | SSE; Cerp; ESP1; PRCE; AL024103; AU045071                                                                    |
| NCBI Protein Information         | separin; Cut1/ESP1 related protein; caspase-like protein ESPL1; extra spindle poles-like 1 protein; separase |
| UniProt Protein Name             | Separin                                                                                                      |
| UniProt Gene Name                | <b>Espl1</b>                                                                                                 |
| UniProt Synonym Gene Names       | Esp1; Kiaa0165                                                                                               |
| UniProt Entry Name               | ESPL1_MOUSE                                                                                                  |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://www.aaabiotech.com/polyclonal/espl1-antibody-immunohistochemistry-elisa/170195>