Phospho-ESPL1-S1126 Rabbit Polyclonal Antibody

CABP0469

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

Refer to Figures

Calculated MW:

197kDa/233kDa

Applications:

WB IF

Reactivity:

Human

Antibody Information

Recommended dilutions:
WB 1:500 - 1:2000 IF 1:20 - 1:100

Source:
Rabbit

Isotype:
IgG

Purification:
Affinity purification

Protein 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]

Immunogen information

Gene ID:
9700

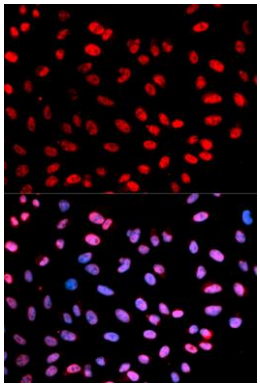
Uniprot
Q14674

Synonyms:
ESPL1; ESP1; SEPA; separin

Immunogen:
A synthetic phosphorylated peptide around S1126 of human ESPL1 (NP_036423.4).

Storage:
Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Product Images



Immunofluorescence analysis of U2OS cells using Phospho-ESPL1-S1126 antibody (CABP0469). Blue: DAPI for nuclear staining.