

ESPL1 (Human) Cell-Based ELISA Kit

Catalog # KA3575

Size 1 Kit

Specification

Product Description	ESPL1 (Human) Cell-Based ELISA Kit is an indirect enzyme-linked immunoassay for qualitative determination of ESPL1 expression in cultured cells.
Suitable Sample	Attached Cell, Loosely Attached Cell, Suspension Cell
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Qualitative
Reactivity	Human, Mouse
Regulation Status	For research use only (RUO)
Storage Instruction	Store the kit at 4°C.

Applications

- Qualitative

Gene Info — ESPL1

Entrez GeneID	9700
Gene Name	ESPL1
Gene Alias	ESP1, FLJ46492, KIAA0165, SEPARASE, SEPARIN
Gene Description	extra spindle pole bodies homolog 1 (S. cerevisiae)
Omim ID	604143

Gene Ontology

[Hyperlink](#)

Gene Summary

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 604359) 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]

Other Designations

extra spindle poles like 1|separin, separase

Pathway

- [Cell cycle](#)

Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Chromosomal Instability](#)
- [Genetic Predisposition to Disease](#)