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 det ermination 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

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Gene Ontology	Hyperlink
Gene Summary	Stable cohesion between sister chromatids before anaphase and their timely separation during a naphase are critical for chromosome inheritance. In vertebrates, sister chromatid cohesion is rele ased in 2 steps via distinct mechanisms. The first step involves phosphorylation of STAG1 (MIM 6 04358) or STAG2 (MIM 604359) in the cohesin complex. The second step involves cleavage of th e cohesin subunit SCC1 (RAD21; MIM 606462) by ESPL1, or separase, which initiates the final s eparation 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

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