

Datasheet for ABIN757867
anti-Separase antibody (pSer1073)



[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	Separase (ESPL1)
Binding Specificity:	pSer1073
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Separase antibody is un-conjugated
Application:	ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human ESPL1 around the phosphorylation site of Ser1073
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Purified by Protein A.

Target Details

Target:	Separase (ESPL1)
Alternative Name:	Separase (ESPL1 Products)

Target Details

Background: Synonyms: Caspase like protein ESPL1, ESP 1, ESP1, ESP-1, ESPL 1, ESPL1, ESPL-1, Extra spindle poles like 1, Extra spindle poles like 1 protein, Separin, Similar to fission yeast cut1 and gene, SSE, Separase, ESPL1_HUMAN.

Background: Separase is a cysteine protease that is essential for mitotic progression by separating sister chromatids. Each cell must receive one chromatid of every chromosome, during mitosis. Cohesin plays an important role in cohering sister chromatids during the prophase through anaphase stages of mitosis, making certain that genomic information is replicated accurately. As the cellular division process continues, separase destroys cohesin by means of cleavage, allowing the chromatids to separate and divide with the cell. Separase activity is highly regulated. It not only cleaves cohesin at the onset of anaphase but also cleaves itself, promoting downregulation of separase after anaphase. Should a human cell become aneuploid (one too many or too few chromatids), the embryo most likely will not survive. Should the embryo survive, it will most likely develop severe birth defects or later develop malignant cancers.

Gene ID: 9700

Application Details

Application Notes: ELISA 1:500-1000
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % 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.

Handling

Storage: 4 °C,-20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months