

Rabbit anti-Human Separase Polyclonal Antibody | anti-SSE antibody

Separase Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322622	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

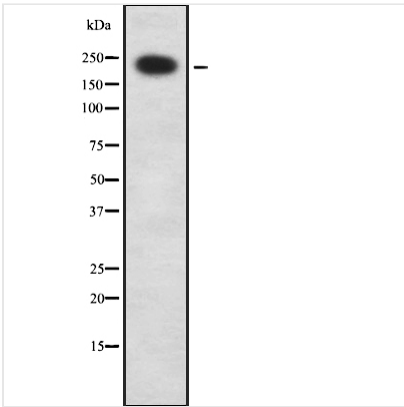
PRODUCT SYNONYMS

Separase; Polyclonal Antibody; Separase Antibody; Caspase like protein ESPL1; Caspase-like protein ESPL1; ESP 1; ESP1; ESPL 1; Espl1; ESPL1_HUMAN; Extra spindle poles like 1; Extra spindle poles like 1 protein; Extra spindle poles-like 1 protein; FLJ46492; KIAA0165; Separin; Similar to fission yeast cut1and gene; anti-SSE antibody

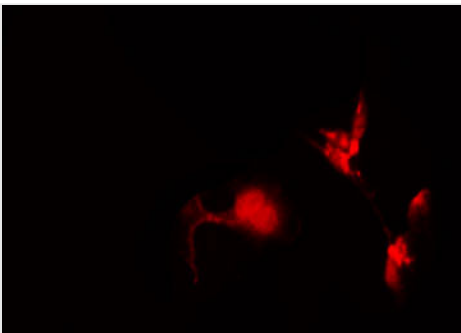
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	Separase antibody detects endogenous levels of total Separase
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	2120
Applicable Applications for anti-SSE antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Separase
Subcellular Location	Cytoplasm. Nucleus.
Predicted Cross Reactivity	Sheep, Rabbit, Dog
Similarity	Sheep (80%), Rabbit (90%), Dog (90%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis Separase using 293 whole cell lysates



IF (Immunofluorescence)
AAA322622 staining 293 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-SSE antibody	Function: Caspase-like protease, which plays a central role in the chromosome segregation by cleaving the SCC1/RAD21 subunit of the cohesin complex at the onset of anaphase. During most of the cell cycle, it is inactivated by different mechanisms. Subunit Structure: Interacts with PTTG1. Interacts with RAD21. Post-translational Modifications: Autocleaves. This function, which is not essential for its protease activity, is unknown. Phosphorylated by CDK1. There are 8 Ser/Thr phosphorylation sites. Among them, Ser-1126 phosphorylation is the major site, which conducts to the enzyme inactivation.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	134276943
NCBI GeneID	9700
NCBI Accession #	NP_036423.4
NCBI GenBank Nucleotide #	NM_012291.4
UniProt Accession #	Q14674
Molecular Weight	Observed: 230 kDa Predicted: 234 kDa
NCBI Official Full Name	separin
NCBI Official Synonym Full Names	extra spindle pole bodies like 1, separase
NCBI Official Symbol	ESPL1
NCBI Official Synonym Symbols	ESP1; SEPA
NCBI Protein Information	separin
UniProt Protein Name	Separin
UniProt Gene Name	ESPL1
UniProt Synonym Gene Names	ESP1; KIAA0165

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.