

Rabbit Separase Antibody | anti-ESP antibody

Separase Antibody

CATALOG #	HOST	APPLICATIONS
AAA226270	Rabbit	Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

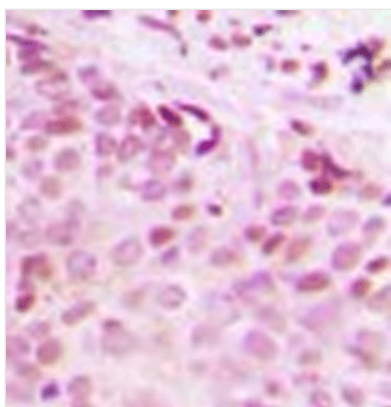
PRODUCT SYNONYMS

Separase; Separase Antibody; Purified Polyclonal Separase Antibody; Polyclonal Separase antibody; Anti-Separase antibody; ESP1 antibody; KIAA0165 antibody; Separin antibody; Caspase-like protein ESPL1 antibody; Extra spindle poles-like 1 protein antibody; Separase antibody; anti-ESP antibody

PRODUCT SPECIFICATIONS

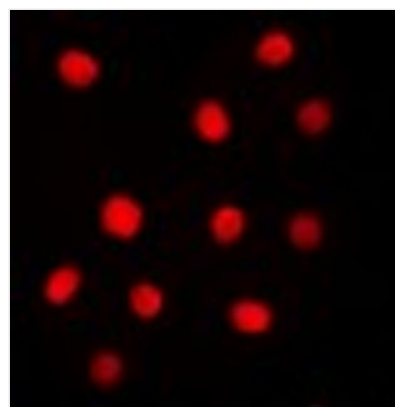
Host	Rabbit
Specificity	Recognizes endogenous levels of Separase protein
Purity/Purification	Immunogen Affinity Chromatography
Form/Format	Liquid in 0.42% Potassium Phosphate, 0.87% Sodium Chloride, pH 7.3 with 30% Glycerol and 0.01% Sodium Azide
Concentration	1.0 mg/mL (varies by lot)
Sequence Length	2177
Applicable Applications for anti-ESP antibody	ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Separase(pS801)
Cross-Reactivity	Human
Preparation and Storage	Upon receipt store at -20°C. Avoid repeated freeze/thaw cycles.

IMAGES



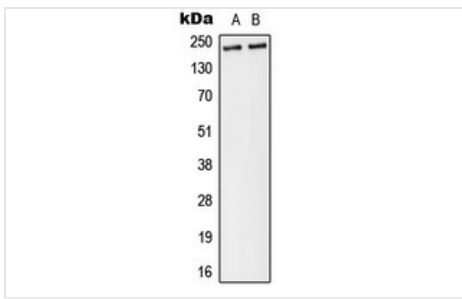
IHC (Immunohistochemistry)

Immunohistochemical analysis of Separase (pS801) staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



IF (Immunofluorescence)

Immunofluorescent analysis of Separase (pS801) staining in MDAMB231 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



WB (Western Blot)

Western blot analysis of Separase (pS801) expression in MDA-MB-231 (A); A431 (B) whole cell lysates.

ADDITIONAL INFORMATION

Related Product Information for anti-ESP antibody	Separase is a cysteine protease responsible for triggering anaphase by hydrolysing cohesin, which is the protein responsible for binding sister chromatids during the early stage of anaphase.
Product Categories/Family for anti-ESP antibody	Proteases ; Inhibitors ; & Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	334186825
NCBI GeneID	828396
NCBI GenBank Nucleotide #	NP_001190804.1
UniProt Accession #	Q5IBC5
NCBI Official Full Name	separase
NCBI Official Symbol	ESP
NCBI Official Synonym Symbols	AESP; EXTRA SPINDLE POLES; F7H19.150; F7H19_150; homolog of separase; RADially SWOLLEN 4; RSW4; SEPARASE
NCBI Protein Information	separase

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.

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 Online datasheet: <https://stage.aaabiotech.com/rabbit-antibody/separase/226270>