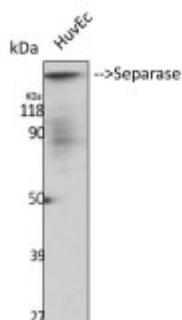


Anti-Separase antibody



Description	Rabbit polyclonal to Separase.
Model	STJ95608
Host	Rabbit
Reactivity	Human, Mouse
Applications	ELISA, IF, IHC, WB
Immunogen	Synthesized peptide derived from human Separase around the non-phosphorylation site of S801.
Immunogen Region	740-820 aa
Gene ID	9700
Gene Symbol	ESPL1
Dilution range	WB 1:500-1:2000IHC 1:100-1:300IF 1:200-1:1000ELISA 1:40000
Specificity	Separase Polyclonal Antibody detects endogenous levels of Separase protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Separin Caspase-like protein ESPL1 Extra spindle poles-like 1 protein Separase
Molecular Weight	230 kDa
Clonality	Polyclonal
Conjugation	Unconjugated

Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:16856OMIM:604143
Alternative Names	Separin Caspase-like protein ESPL1 Extra spindle poles-like 1 protein Separase
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.
Cellular Localization	Cytoplasm. Nucleus.
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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