

anti-Human, Mouse 4E-BP1 Antibody | anti-4E-BP1 antibody

4E-BP1 (Phospho-Thr69) Antibody

CATALOG # AAA109712	REACTIVITY Human, Mouse	APPLICATIONS ELISA, Immunofluorescence, Immunohistochemistry, Western Blot
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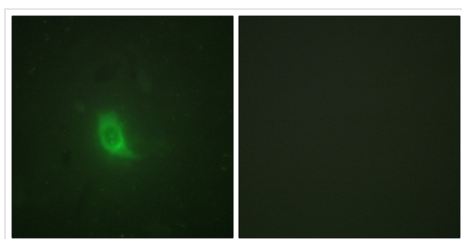
PRODUCT SYNONYMS

4E-BP1; 4E-BP1 (Phospho-Thr69) Antibody; Caspase-like protein ESPL1; EC 3.4.22.49; ESP1; ESPL1; Extra spindle poles-like 1 protein; KIAA0165; Separin; anti-4E-BP1 antibody

PRODUCT SPECIFICATIONS

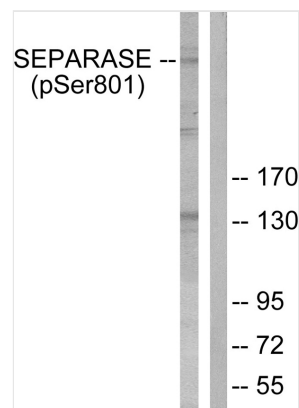
Reactivity	Human, Mouse
Specificity	SEPARASE (Phospho-Ser801) antibody detects endogenous levels of SEPARASE only when phosphorylated at serine 801.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Form/Format	In phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	2120
Applicable Applications for anti-4E-BP1 antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human SEPARASE around the phosphorylation site of serine 801 (N-S-SP-P-V).
All Sites	Human: Ser801 Mouse: Ser1189
Preparation and Storage	Store at -20 degree C for 1 year.

IMAGES



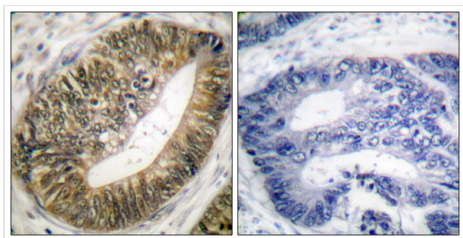
IF (Immunofluorescence)

P-peptide-+ Immunofluorescence analysis of HuvEc cells, using SEPARASE (Phospho-Ser801) antibody.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human colon carcinoma tissue using SEPARASE (Phospho-Ser801) antibody. Western blot analysis of extracts from 293 cells, treated with EGF (200ng/ml, 30mins), using SEPARASE (Phospho-Ser801) antibody.



Application Data
P-peptide-+

ADDITIONAL INFORMATION

Product Categories/Family for anti-4E-BP1 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
References	Waizenegger I., Curr. Biol. 12:1368-1378(2002). Nagase T., DNA Res. 3:17-24(1996). Zou H., Science 285:418-422(1999).

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	197,745 Da
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.

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Online datasheet: <https://stage.aaabiotech.com/human-mouse-antibody/4e-bp1/109712>