



Anti-Clusterin antibody ab39991

4 References **2 图像**

概述

产品名称	Anti-Clusterin抗体
描述	山羊多克隆抗体to Clusterin
宿主	Goat
特异性	This antibody is expected to recognise both reported isoforms.
经测试应用	适用于: IHC-P, WB, ICC/IF
种属反应性	与反应: Human
免疫原	Synthetic peptide corresponding to Human Clusterin (C terminal). Sequence: (C) EKALQEYRKKHREE
	<div>  Run BLAST with </div> <div>  Run BLAST with </div>
阳性对照	WB: Human Colon lysate; ICC: HeLa cells; IHC-P: Human tonsil tissue section.
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 0.05% Tris buffered saline, 0.5% BSA
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

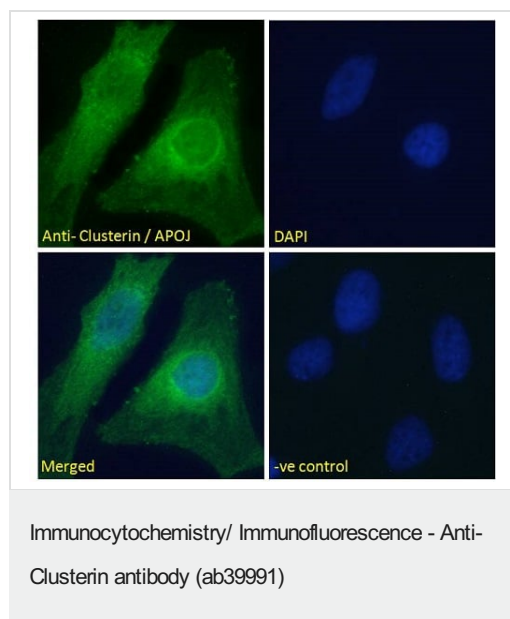
The Abpromise guarantee **Abpromise™**承诺保证使用ab39991于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

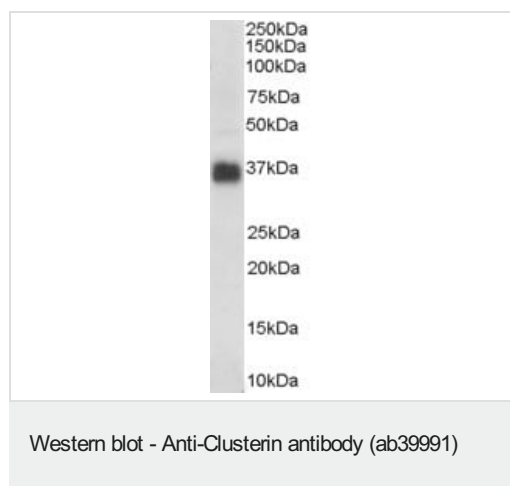
应用	Ab评论	说明
IHC-P		Use a concentration of 2.5 µg/ml.
WB		Use a concentration of 0.3 - 1 µg/ml. Detects a band of approximately 36 kDa (predicted molecular weight: 60 kDa). 1 hour primary incubation is recommended for this product.
ICC/IF		Use a concentration of 10 µg/ml.

靶标

功能	Isoform 1 functions as extracellular chaperone that prevents aggregation of nonnative proteins. Prevents stress-induced aggregation of blood plasma proteins. Inhibits formation of amyloid fibrils by APP, APOC2, B2M, CALCA, CSN3, SNCA and aggregation-prone LYZ variants (in vitro). Does not require ATP. Maintains partially unfolded proteins in a state appropriate for subsequent refolding by other chaperones, such as HSPA8/HSC70. Does not refold proteins by itself. Binding to cell surface receptors triggers internalization of the chaperone-client complex and subsequent lysosomal or proteasomal degradation. Secreted isoform 1 protects cells against apoptosis and against cytolysis by complement. Intracellular isoforms interact with ubiquitin and SCF (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complexes and promote the ubiquitination and subsequent proteasomal degradation of target proteins. Promotes proteasomal degradation of COMMD1 and IKBKB. Modulates NF-kappa-B transcriptional activity. Nuclear isoforms promote apoptosis. Mitochondrial isoforms suppress BAX-dependent release of cytochrome c into the cytoplasm and inhibit apoptosis. Plays a role in the regulation of cell proliferation.
组织特异性	Detected in blood plasma, cerebrospinal fluid, milk, seminal plasma and colon mucosa. Detected in the germinal center of colon lymphoid nodules and in colon parasympathetic ganglia of the Auerbach plexus (at protein level). Ubiquitous. Detected in brain, testis, ovary, liver and pancreas, and at lower levels in kidney, heart, spleen and lung.
序列相似性	Belongs to the clusterin family.
翻译后修饰	Isoform 1 is proteolytically cleaved on its way through the secretory system, probably within the Golgi lumen. Polyubiquitinated, leading to proteasomal degradation. Heavily N-glycosylated. About 30% of the protein mass is comprised of complex N-linked carbohydrate.
细胞定位	Secreted. Can retrotranslocate from the secretory compartments to the cytosol upon cellular stress and Nucleus. Cytoplasm. Mitochondrion membrane. Cytoplasm, cytosol. Microsome. Endoplasmic reticulum. Cytoplasmic vesicle, secretory vesicle, chromaffin granule. Isoforms lacking the N-terminal signal sequence have been shown to be cytoplasmic and/or nuclear. Secreted isoforms can retrotranslocate from the secretory compartments to the cytosol upon cellular stress. Detected in perinuclear foci that may be aggresomes containing misfolded, ubiquitinated proteins. Detected at the mitochondrion membrane upon induction of apoptosis.



Immunofluorescent analysis of paraformaldehyde fixed HeLa cells, staining Clusterin with ab39991 at 10µg/ml. Cells were permeablized with 0.15% Triton. DAPI was used as a nuclear counterstain.



Anti-Clusterin antibody (ab39991) at 0.3 µg/ml + Human Colon lysate, 35 µg protein in RIPA buffer. Primary incubation was 1 hour. Detected by chemiluminescence.

Predicted band size: 60 kDa

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