



Clusterin Polyclonal Antibody

Catalog No	YP-Ab-00357
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	CLU
Protein Name	Clusterin
Immunogen	The antiserum was produced against synthesized peptide derived from human CLU. AA range:400-449
Specificity	Clusterin Polyclonal Antibody detects endogenous levels of Clusterin protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CLU; APOJ; CLI; KUB1; AAG4; Clusterin; Aging-associated gene 4 protein; Apolipoprotein J; Apo-J; Complement cytolysis inhibitor; CLI; Complement-associated protein SP-40; 40; Ku70-binding protein 1; NA1/NA2; Testosterone-repressed prostate m
Observed Band	52kD
Cell Pathway	[Isoform 1]: Secreted . Can retrotranslocate from the secretory compartments to the cytosol upon cellular stress. .; [Isoform 4]: Cytoplasm . Keeps cytoplasmic localization in stressed and unstressed cell. .; [Isoform 6]: Cytoplasm . Keeps cytoplasmic localization in stressed and unstressed cell. .; Nucleus . Cytoplasm . Mitochondrion membrane; Peripheral membrane protein; Cytoplasmic side . Cytoplasm, cytosol . Microsome . Endoplasmic reticulum . Mitochondrion . Mitochondrion membrane . Cytoplasm, perinuclear region . Cytoplasmic vesicle, secretory vesicle, chromaffin granule . Secreted isoforms can retrotranslocate from the secretory compartments to the cytosol upon cellular stress (PubMed:17451556). Detected in perinuclear foci that may be aggresomes containing misfolded, ubiquitinated
Tissue Specificity	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.

Function

function: Not yet clear. It is known to be expressed in a variety of tissues and it seems to be able to bind to cells, membranes and hydrophobic proteins. It has been associated with programmed cell death (apoptosis)., similarity: Belongs to the clusterin family., subunit: Antiparallel disulfide-linked heterodimer. Interacts with APOA1, CLUAP1 AND PON1.,

Background

The protein encoded by this gene is a secreted chaperone that can under some stress conditions also be found in the cell cytosol. It has been suggested to be involved in several basic biological events such as cell death, tumor progression, and neurodegenerative disorders. Alternate splicing results in both coding and non-coding variants.[provided by RefSeq, May 2011],

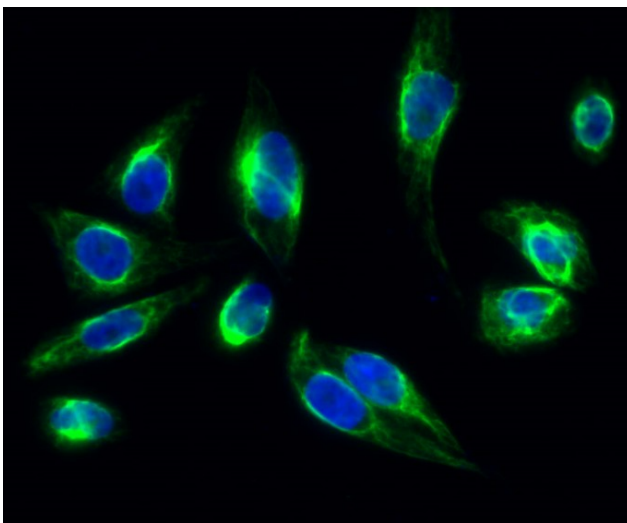
matters needing attention

Avoid repeated freezing and thawing!

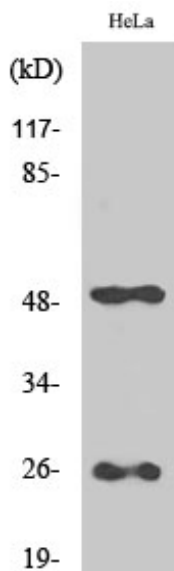
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

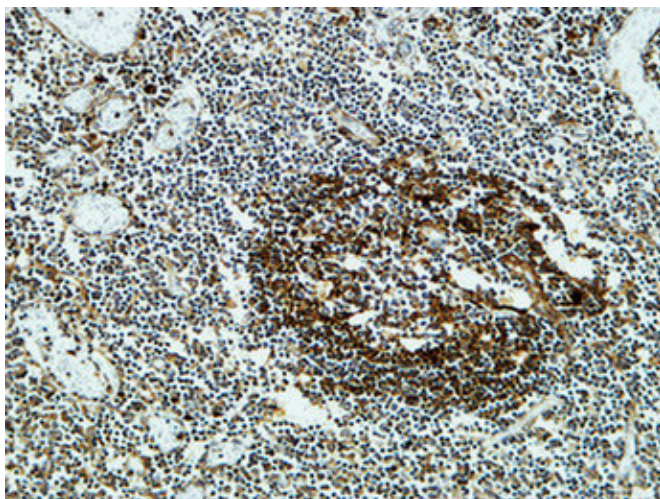
Products Images



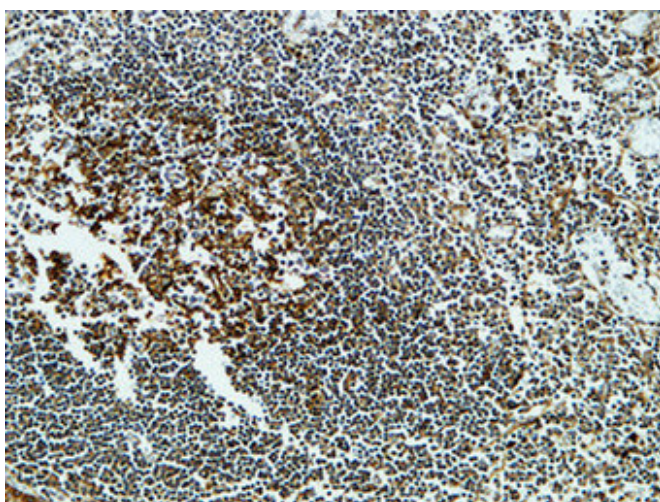
Immunofluorescence analysis of HeLa cell. 1, Clusterin Polyclonal Antibody (green) was diluted at 1:200 (4° overnight). 2, Goat Anti Rabbit Alexa Fluor 488 Catalog: RS3211 was diluted at 1:1000 (room temperature, 50min). 3 DAPI (blue) 10min.



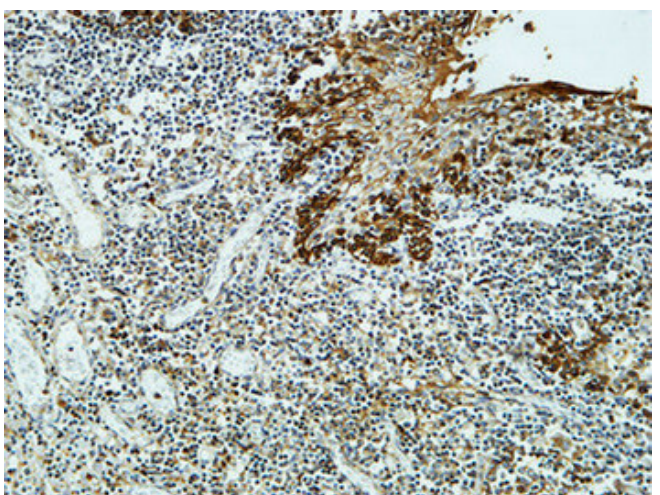
Western Blot analysis of various cells using Clusterin Polyclonal Antibody



Immunohistochemical analysis of paraffin-embedded Human Amygdala. 1, Antibody was diluted at 1:400(4° overnight). 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200(room temperature, 30min).



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