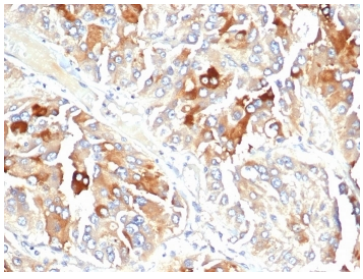
APO-J Antibody / Apolipoprotein J / Clusterin / CLU [clone CLU/4723] (V9373)

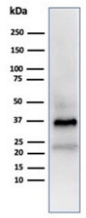
Catalog No.	Formulation	Size
V9373-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9373-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9373SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

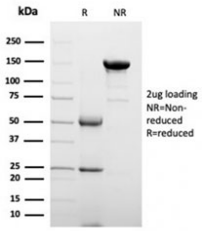
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	CLU/4723
Purity	Protein A/G affinity
UniProt	P10909
Localization	Nucleus, Cytoplasm
Applications	Western Blot : 2-4ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This APO-J antibody is available for research use only.



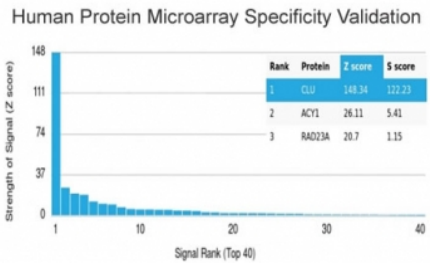
IHC staining of FFPE human adrenal gland tissue with APO-J antibody (clone CLU/4723). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



Western blot analysis of human testis lysate using APO-J antibody (clone CLU/4723). Predicted molecular weight: 75-80 kDa (heterodimer precursor), 36-39 kDa (alpha subunit), 34-36 kDa (beta subunit).



SDS-PAGE analysis of purified, BSA-free APO-J antibody (clone CLU/4723) as confirmation of integrity and purity.



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using APO-J antibody (clone CLU/4723). These results demonstrate the foremost specificity of the CLU/4723 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.

Description

Clusterin, also designated complement lysis inhibitor (CLI), apolipoprotein J (APOJ), sulfated glycoprotein 2 (SGP2), SP40 and testosterone-repressed prostate message 2 (TRPM2), is a secretory, heterodimeric glycoprotein that influences immune regulation, cell adhesion, transformation, lipid transportation, tissue remodeling, membrane recycling and cell-cell interactions. Clusterin is synthesized as a 449 amino acid polypeptide that is post-translationally cleaved at an internal bond between Arg 227 and Ser 228. The beta subunit corresponds to residues 23-227. The alpha subunit corresponds to residues 228-449. Overexpression of Clusterin appears to be more common in late stages of mammary tumor progression. Clusterin markedly influences Amyloid structure and neuritic toxicity in vivo and may influence Alzheimer s pathogenesis.

Application Notes

Optimal dilution of the APO-J antibody should be determined by the researcher.

Immunogen

A portion of amino acids 150-300 was used as the immunogen for the APO-J antibody.

Storage

Aliquot the APO-J antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.