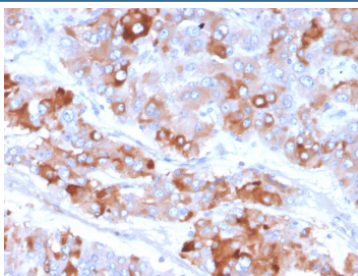


APO-J Antibody / Apolipoprotein J / Clusterin [clone CLU/4733] (V9387)

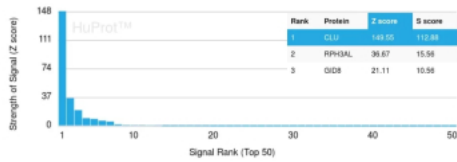
Catalog No.	Formulation	Size
V9387-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9387-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9387SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

[Bulk quote request](#)

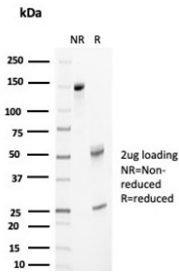
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	CLU/4733
Purity	Protein A/G affinity
UniProt	P10909
Localization	Nucleus, Cytoplasm
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This APO-J antibody is available for research use only.



APO-J Antibody Adrenal Gland Tissue IHC. Immunohistochemistry analysis of FFPE human adrenal gland tissue using APO-J antibody. The monoclonal antibody clone CLU/4733 demonstrates cytoplasmic staining in adrenal cortical cells, consistent with Clusterin / APO-J expression as a lipid transport and chaperone protein. Signal is distributed throughout glandular cell populations with areas of extracellular deposition, reflecting secretion and accumulation of this glycoprotein within the tissue microenvironment. HIER: Tris/EDTA buffer, pH 9.0, for 45 min followed by HRP-polymer detection and DAB chromogen development.



APO-J Antibody Protein Microarray Specificity Validation. Analysis of protein microarray containing more than 19,000 full-length human proteins using APO-J antibody. The monoclonal antibody clone CLU/4733 demonstrates a strong and specific signal for Clusterin / APO-J, with a high Z-score and clear separation from non-target proteins, confirming its specificity. The Z-score reflects signal intensity above background, while the S-score represents the difference between the target signal and the next highest signal, indicating relative binding specificity and minimal cross-reactivity in a proteome-wide context.



SDS-PAGE analysis of purified, BSA-free APO-J antibody (clone CLU/4733) as confirmation of integrity and purity.

Description

APO-J Antibody detects Clusterin, also designated complement lysis inhibitor (CLI), apolipoprotein J (APOJ), sulfated glycoprotein 2 (SGP2), SP40 and testosterone-repressed prostate message 2 (TRPM2), 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.

This antibody is part of a broader range of [Clusterin antibody products](#) supporting research into chaperone function, stress response, and disease biology.

Application Notes

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

Immunogen

A portion of amino acids 185-287 was used as the immunogen for the APO-J antibody.

Storage

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