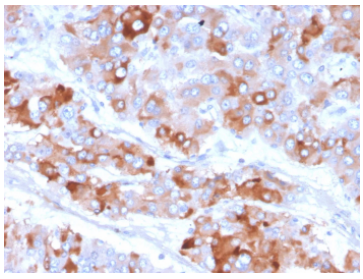
APO-J Antibody / Apolipoprotein J / Clusterin [clone CLU/4733] (V9387)

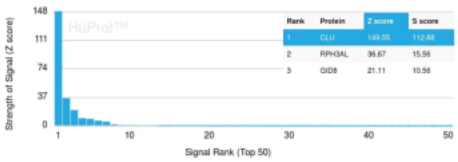
Catalog No.	Formulation	Size
V9387-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9387-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9387SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

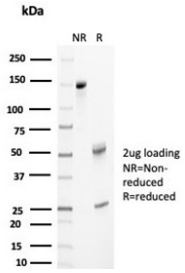
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	CLU/4733
Purity	Protein A/G affinity
UniProt	P10909
Localization	Nucleus, Cytoplasm
Applications	Immunohistochemistry (FFPE): 1-2ug/ml
Limitations	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 -20oC or colder. Avoid repeated freeze-thaw cycles.

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