



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Goat Anti-Clusterin / APOJ

With HRP-conjugated Secondary Antibody

Catalog No.
ER-14-0348

Accession Number
NP_001822.2; NP_976084.1

Target Protein

Principal Names: clusterin (complement lysis inhibitor, SP-40,40, sulfated glycoprotein 2, testosterone-repressed prostate message 2, apolipoprotein J), aging-associated protein 4, KUB1, AAG4, sulfated glycoprotein 2, complement-associated protein SP-40, clusterin, apolipoprotein J, TRPM2, TRPM-2, SP-40, SGP2, SGP-2, MGC24903, CLI, HGNC:2095, apolipoprotein J, testosterone-repressed prostate message 2, sulfated glycoprotein 2, SP-40,40, complement lysis inhibitor, CLU, clusterin, APOJ

Official Symbol: CLU

Accession Number(s): NP_001822.2; NP_976084.1

Human GeneID(s): [1191](#)

Important Comments: This antibody is expected to recognize both reported isoforms (NP_001822.2 and NP_976084.1)

Immunogen

Peptide with sequence C-EKALQEYRKKHREE, from the C Terminus of the protein sequence according to NP_001822.2; NP_976084.1.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:32000.

Western blot: Approx 35-37kDa band observed in human colon, kidney and prostate lysates (calculated MW of 57.8kDa according to NP_NP_001822.2 and 52.5 according to NP_976084.1). The observed molecular weight corresponds to earlier findings in literature with different antibodies (PMID: 9713325 and PMID: 11560857). Recommended concentration: 0.3-1.0µg/ml.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Dog

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



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Background Reference

Xie D, Lau SH, Sham JS, Wu QL, Fang Y, Liang LZ, Che LH, Zeng YX, Guan XY. Up-regulated expression of cytoplasmic clusterin in human ovarian carcinoma. *Cancer*. 2005 Jan 15;103(2):277-83. PMID: 15578711

Secondary Antibody Applications

Immunoassay (ELISA, Western blotting): 1:5,000-1:10,000

Imagine



ER-14-0348 (0.3 μ g/ml) staining of human colon lysate (35 μ g protein in RIPA buffer).
Primary incubation was 1 hour. Detected by chemiluminescence.

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