Albumin Antibody

#4929 Store at -20°C

Cell Signaling TECHNOLOGY®

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rev. 01/27/16

For Research Use Only. Not For Use In Diagnostic Procedures.

Entrez-Gene ID #213
Swiss-Prot Acc. #P02768

Applications	Species Cross-Reactivity*	Molecular Wt.	Source
W Endogenous	H, R, M	67 kDa	Rabbit**

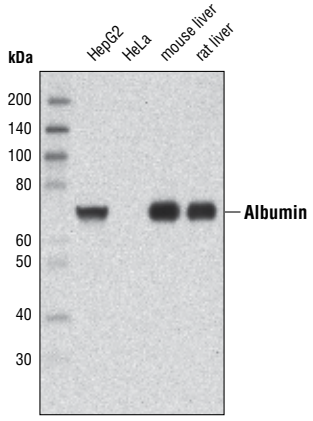
Background: Serum albumin is the most abundant protein in plasma. It accounts for over 50% of total human plasma protein content, having a concentration of approximately 40 g/L. Albumin is predominantly synthesized in the liver and is a major transportation component for many endogenous and exogenous compounds including fatty acids, steroid hormones, metabolites and drugs. It is also responsible for maintaining colloid osmotic pressure and may affect microvascular integrity (1).

Specificity/Sensitivity: Albumin Antibody recognizes total human albumin protein. It does not recognize albumin from bovine or horse.

Source/Purification: Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Pro134 of human Albumin. Antibodies are purified by protein A and peptide affinity chromatography.

Background References:

(1) Quinlan, G.J. et al. (2005) *Hepatology* 41, 1211–1219.



Western blot analysis of extracts from mouse and rat liver as well as HepG2 and HeLa cell extracts using Albumin Antibody.

Storage: Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at –20°C. *Do not aliquot the antibody.*

***Species cross-reactivity is determined by western blot.**

****Anti-rabbit secondary antibodies must be used to detect this antibody.**

Recommended Antibody Dilutions:

Western blotting	1:1000

For product specific protocols and a complete listing of recommended companion products please see the product web page at www.cellsignal.com

IMPORTANT: For Western blots, incubate membrane with diluted antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween-20 at 4°C with gentle shaking, overnight.

Applications Key: **W**—Western **IP**—Immunoprecipitation **IHC**—Immunohistochemistry **ChIP**—Chromatin Immunoprecipitation **IF**—Immunofluorescence **F**—Flow cytometry **E-P**—ELISA-Peptide

Species Cross-Reactivity Key: **H**—human **M**—mouse **R**—rat **Hm**—hamster **Mk**—monkey **Mi**—mink **C**—chicken **Dm**—D. melanogaster **X**—Xenopus **Z**—zebrafish **B**—bovine **Dg**—dog **Pg**—pig **Sc**—S. cerevisiae **Ce**—C. elegans **Hr**—horse **All**—all species expected Species enclosed in parentheses are predicted to react based on 100% homology.