Immunoway
Best Tools for immunology Research

ALB Monoclonal Antibody

Catalog No :	YM0021
Reactivity :	Human
Applications :	WB;ELISA
Target :	Albumin
Fields :	>>Thyroid hormone synthesis
Gene Name :	ALB
Protein Name :	Serum albumin
Human Gene Id :	213
Human Swiss Prot No :	P02768
Mouse Swiss Prot No :	P07724
Immunogen :	Human sera albumin.
Specificity :	ALB Monoclonal Antibody detects endogenous levels of ALB protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Monoclonal, Mouse
Dilution :	WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.
Purification :	Affinity purification
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	69kD
P References :	1. Proteins. 2006 Aug 1;64(2):355-62.

2. FEBS Lett. 2007 Jul 10;581(17):3178-82.

Background : This gene encodes the most abundant protein in human blood. This protein functions in the regulation of blood plasma colloid osmotic pressure and acts as a carrier protein for a wide range of endogenous molecules including hormones, fatty acids, and metabolites, as well as exogenous drugs. Additionally, this protein exhibits an esterase-like activity with broad substrate specificity. The encoded preproprotein is proteolytically processed to generate the mature protein. A peptide derived from this protein, EPI-X4, is an endogenous inhibitor of the CXCR4 chemokine receptor. [provided by RefSeq, Jul 2016],

Function : caution:A peptide arising from positions 166 to 174 was originally (PubMed:3087352 and PubMed:2437111) termed neurotensin-related peptide (NRP) or kinetensin and was thought to regulates fat digestion, lipid absorption, and blood flow.,disease:A variant structure of albumin could lead to increased binding of zinc resulting in an asymptomatic augmentation of zinc concentration in the blood [MIM:194470].,disease:Defects in ALB are a cause of familial dysalbuminemic hyperthyroxinemia (FDH) [MIM:103600]. FDH is a form of euthyroid hyperthyroxinemia that is due to increased affinity of ALB for T(4). It is the most common cause of inherited euthyroid hyperthyroxinemia in Caucasian population.,function:Serum albumin, the main protein of plasma, has a good binding capacity for water, Ca(2+), Na(+), K(+), fatty acids, hormones, bilirubin and drugs. Its main function is the regulation of the collo

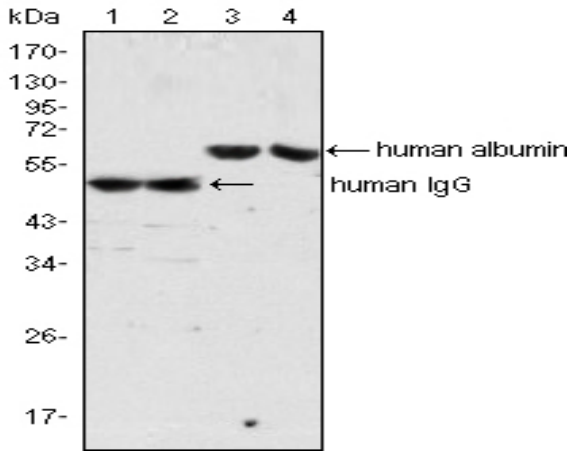
Subcellular Location : Secreted.

Expression : Plasma.

Sort : 1880

No4 : 1

Products Images



Western Blot analysis using ALB Monoclonal Antibody (lane 3, 4) and Human IgG Monoclonal Antibody (lane 1, 2) against human serum (lane 1, 3) and plasma (lane 2, 4).