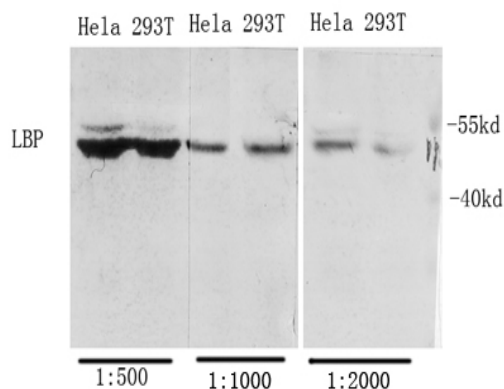


LBP Polyclonal Antibody

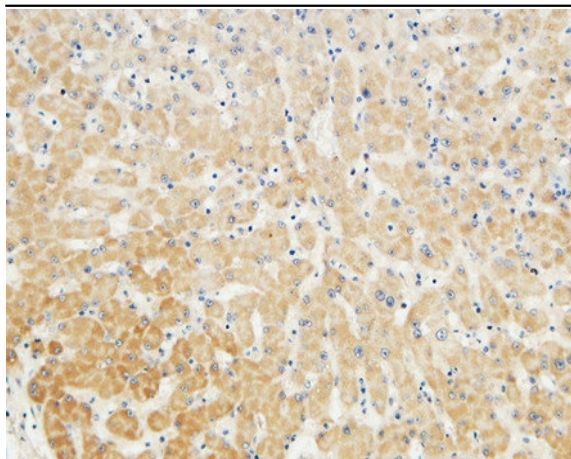
Catalog No :	YT2544
Reactivity :	Human;Mouse;Rat
Applications :	WB;ELISA;IHC
Target :	LBP
Fields :	>>NF-kappa B signaling pathway;>>Toll-like receptor signaling pathway;>>Alcoholic liver disease;>>Tuberculosis;>>Lipid and atherosclerosis
Gene Name :	LBP
Protein Name :	Lipopolysaccharide-binding protein
Human Gene Id :	3929
Human Swiss Prot No :	P18428
Mouse Gene Id :	16803
Mouse Swiss Prot No :	Q61805
Rat Swiss Prot No :	Q63313
Immunogen :	The antiserum was produced against synthesized peptide derived from human LBP. AA range:221-270
Specificity :	LBP Polyclonal Antibody detects endogenous levels of LBP protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000;IHC 1:50-300; ELISA 2000-20000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	53kD
Cell Pathway :	Toll_Like;
Background :	lipopolysaccharide binding protein(LBP) Homo sapiens The protein encoded by this gene is involved in the acute-phase immunologic response to gram-negative bacterial infections. Gram-negative bacteria contain a glycolipid, lipopolysaccharide (LPS), on their outer cell wall. Together with bactericidal permeability-increasing protein (BPI), the encoded protein binds LPS and interacts with the CD14 receptor, probably playing a role in regulating LPS-dependent monocyte responses. Studies in mice suggest that the encoded protein is necessary for the rapid acute-phase response to LPS but not for the clearance of LPS from circulation. This protein is part of a family of structurally and functionally related proteins, including BPI, plasma cholesteryl ester transfer protein (CETP), and phospholipid transfer protein (PLTP). [provided by RefSeq, Apr 2012],
Function :	function:Binds to the lipid A moiety of bacterial lipopolysaccharides (LPS), a glycolipid present in the outer membrane of all Gram-negative bacteria. The LBP/LPS complex seems to interact with the CD14 receptor.,similarity:Belongs to the BPI/LBP/Plunc superfamily. BPI/LBP family.,
Subcellular Location :	Secreted . Cytoplasmic granule membrane . Membrane-associated in polymorphonuclear Leukocytes (PMN) granules. .
Expression :	Detected in blood serum (at protein level).

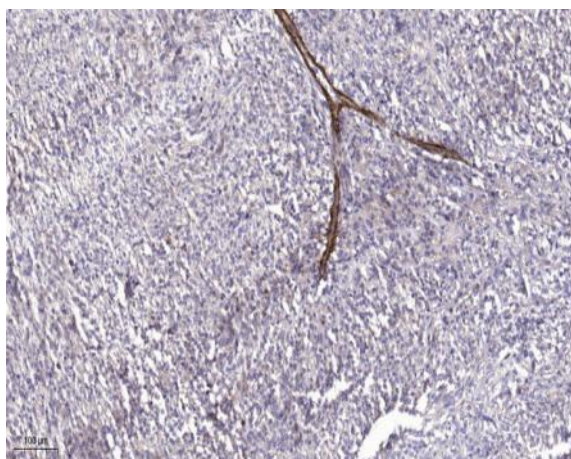
Products Images



Western Blot analysis of various cells using Antibody diluted at 1:1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA).



Immunohistochemical analysis of paraffin-embedded Human liver. 1, Antibody was diluted at 1:100(4° overnight). 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).



Immunohistochemical analysis of paraffin-embedded human Colon cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).