



Anti-LBP polyclonal antibody (CPBT-38713RH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rabbit Polyclonal antibody to Human LBP.
Antigen Description	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). Finally, this gene is found on chromosome 20, immediately downstream of the BPI gene.
Immunogen	Affinity purified recombinant LBP (Human)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Whole antiserum
Conjugate	Unconjugated
Applications	ELISA, FC, IP, WB
Sequence Similarities	Belongs to the BPI/LBP/Plunc superfamily. BPI/LBP family.
Cellular Localization	Secreted.
Format	Lyophilised:Reconstitute with 100uL water.

Size	100 µl
Buffer	Preservative: None Constituents: Whole serum
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

GENE INFORMATION

Gene Name	LBP lipopolysaccharide binding protein [Homo sapiens]
Official Symbol	LBP
Synonyms	LBP; lipopolysaccharide binding protein; lipopolysaccharide-binding protein; BPI fold containing family D; member 2; BPIFD2; Ly88; BPI fold containing family D, member 2; Bpifd2; LBP; LBP_HUMAN; LBP1; Lipopolysaccharide binding protein; Lipopolysaccharide-binding protein; LPS binding protein; MGC22233; OTTHUMP00000030965; RP23-407H16.4; LPS-binding protein; BPI fold containing family D, member 2;
Entrez Gene ID	3929
Protein Refseq	NP_004130
UniProt ID	P18428
Chromosome Location	20q11.23
Pathway	IL6-mediated signaling events, organism-specific biosystem; Immune System, organism-specific biosystem; Innate Immune System, organism-specific biosystem; LPS transferred from LBP carrier to CD14, organism-specific biosystem; Salmonella infection, organism-specific biosystem; Salmonella infection, conserved biosystem; Toll Like Receptor 4 (TLR4) Cascade, organism-specific biosystem; Toll Receptor Cascades, organism-specific biosystem; Toll-like receptor signaling pathway, organism-specific biosy
Function	Gram-negative bacterial cell surface binding; Gram-negative bacterial cell surface binding; Gram-positive bacterial cell surface binding; cell surface binding; lipid binding; lipopolysaccharide binding; lipopolysaccharide binding; lipoteichoic acid bindin