

AB-PN800

LTB4R-pT308+pS310 Antibody

Phosphosite-specific rabbit polyclonal antibody for LTB4R



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Target Protein

Protein Name Long:	Leukotriene B4 receptor 1
Protein Alias:	BLT1; BLTR; Chemoattractant receptor-like 1; CMKRL1; GPR16; G-protein coupled receptor 16; Leukotriene B4 receptor; LT4R1; LTB4R1; LTB4-R1; P2RY7; P2Y purinoceptor 7; P2Y7
UniProt ID:	Q15722
Protein Molecular Mass:	37,557 Da (352 AA)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human LTB4R
Antibody Immunogen Sequence:	EG(pT)G(pS)EAC
Antibody Immunogen Description:	Corresponds to amino acid residues E306 to A312. T308 and S310 phosphorylation is inhibitory to downstream signalling by inducing receptor desensitization. These are minor <i>in vivo</i> phosphorylation sites in LTB4R (≥ 2 and ≥ 2 reports, respectively, from high throughput mass spectrometry studies recorded in PhosphoSitePlus). LTB4R is known to be phosphorylated <i>in vitro</i> at T308 by GRK6 (GPRK6).
Antibody Target Type:	Phosphosite-specific

Production

Antibody Host Species:	Rabbit
Antibody Type:	Polyclonal
Antibody Isotype:	IgG
Production Method:	The immunizing peptide was produced by solid phase synthesis on a multipепptide synthesizer and purified by reverse-phase hplc chromatography. Purity was assessed by analytical hplc and the amino acid sequence confirmed by mass spectrometry analysis. This peptide was coupled to KLH prior to immunization into rabbits. New Zealand White rabbits were subcutaneously injected with KLH-coupled immunizing peptide every 4 weeks for 4 months. The sera from these animals was applied onto an agarose column to which the immunogen peptide was thio-linked. Antibody was eluted from the column with 0.1 M glycine, pH 2.5. Subsequently, the antibody solution was neutralized to pH 7.0 with saturated Tris.
Amount:	25 μ g
Antibody Concentration:	0.5 mg/ml
Storage Buffer:	Phosphate buffered saline pH 7.4, 0.05% Thimerasol
Storage Conditions:	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.
Storage Stability:	>2 years

Applications

Product Use:	Western blotting Antibody microarray
Antibody Dilution Recommended:	2 µg/ml for immunoblotting
Antibody Species Reactivity:	Human Rat Mouse

This product is for *in vitro* research use only and is not intended for use in humans or animals.

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