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Anti-Apolipoprotein B Receptor Antibody

Catalog # AP53800

Product Information

Application	WB
Primary Accession	Q0VD83
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	115634

Additional Information

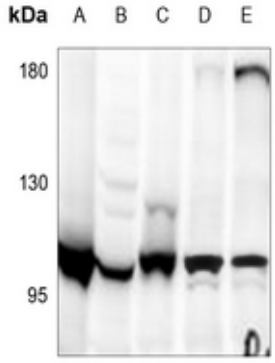
Gene ID	55911
Other Names	APOB48R; Apolipoprotein B receptor; Apolipoprotein B-100 receptor; Apolipoprotein B-48 receptor; Apolipoprotein B48 receptor; apoB-48R
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human Apolipoprotein B Receptor. The exact sequence is proprietary.
Dilution	WB~~1/500 - 1/1000
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	APOBR (HGNC:24087)
Synonyms	APOB48R
Function	Macrophage receptor that binds to the apolipoprotein B48 (APOB) of dietary triglyceride (TG)-rich lipoproteins (TRL) or to a like domain of APOB in hypertriglyceridemic very low density lipoprotein (HTG-VLDL). Binds and internalizes TRL when out of the context of the macrophage. May provide essential lipids to reticuloendothelial cells. Could also be involved in foam cell formation with elevated TRL and remnant lipoprotein (RLP). Mediates the rapid high-affinity uptake of chylomicrons (CM), HTG-VLDL, and trypsinized (tryp) VLDL devoid of APOE in vitro in macrophages.
Cellular Location	Cell membrane; Peripheral membrane protein. Note=Binds monocyte-macrophage membrane. Thought to be anchored in the membrane through an interaction with an integral membrane protein

Tissue Location	Expressed in peripheral blood leukocytes > bone marrow = spleen > lymph node, and only faintly visible in appendix and thymus. Expressed in the brain, heart, kidney, liver, lung, pancreas, and placenta. Expressed primarily by reticuloendothelial cells: monocytes, macrophages, and endothelial cells. Expressed in atherosclerotic lesion foam cells.

Images



Western blot analysis of Apolipoprotein B Receptor expression in SP20 (A), PC12 (B), SHSY5Y (C), MCF7 (D), H460 (E) whole cell lysates. (Predicted band size: 115 kD; Observed band size: 100 kD)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.