

Datasheet for ABIN7601752
anti-LRP8 antibody (AA 444-960)



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	LRP8
Binding Specificity:	AA 444-960
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LRP8 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-ApoER2/LRP8 Antibody Picoband®
Immunogen:	E.coli-derived human ApoER2/LRP8 recombinant protein (Position: R444-D960).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-ApoER2/LRP8 Antibody Picoband® (ABIN7601752). Tested in ELISA, Flow Cytometry, IF, IHC, ICC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	LRP8
Alternative Name:	LRP8 (LRP8 Products)
Background:	Synonyms: Pulmonary surfactant-associated protein B, SP-B, 18 kDa pulmonary-surfactant protein, 6 kDa protein, Pulmonary surfactant-associated proteolipid SPL (Phe), SFTP3, SFTP3 Tissue Specificity: Found in the synovial fluid of patients with rheumatoid arthritis. . Background: This gene encodes a member of the low density lipoprotein receptor (LDLR) family. Low density lipoprotein receptors are cell surface proteins that play roles in both signal transduction and receptor-mediated endocytosis of specific ligands for lysosomal degradation. The encoded protein plays a critical role in the migration of neurons during development by mediating Reelin signaling, and also functions as a receptor for the cholesterol transport protein apolipoprotein E. Expression of this gene may be a marker for major depressive disorder. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.
Molecular Weight:	106 kDa
Gene ID:	7804
UniProt:	Q14114

Application Details

Application Notes:	Western blot, 0.1-0.25 µg/mL, Human, Mouse, Rat Immunohistochemistry (Paraffin-embedded Section), 0.5-1 µg/mL, Human, Mouse, Rat Immunocytochemistry/Immunofluorescence, 4 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Kim, D.-H., Magoori, K., Inoue, T. R., Mao, C. C., Kim, H.-J., Suzuki, H., Fujita, T., Endo, Y., Saeki, S., Yamamoto, T. T. Exon/intron organization, chromosome localization, alternative splicing, and transcription units of the human apolipoprotein E receptor 2 gene. J. Biol. Chem. 272: 8498-8504, 1997. 2. Shen, G.-Q., Li, L., Girelli, D., Seidelmann, S. B., Rao, S., Fan, C., Park, J. E., Xi, Q., Li, J., Hu, Y., Olivieri, O., Marchant, K., and 9 others. An LRP8 variant is associated with familial and premature coronary artery disease and myocardial infarction. Am. J. Hum. Genet. 81: 780-791, 2007. 3. Wang, L., Wang, X., Laird, N., Zuckerman, B., Stubblefield, P., Xu, X. Polymorphism in maternal LRP8 gene is associated with fetal growth. Am. J. Hum. Genet. 78: 770-777, 2006.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.01 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.