

Product datasheet

anti-LRP1 (515kDa) mouse monoclonal, 8G1, lyophilized w/o sodium azide, purified

Short overview

Cat. No.	61065
Quantity	50 µg
Concentration	50 µg/ml after reconstitution with 1ml dist. water

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1
Clone	8G1
Immunogen	Human LRP/alpha2MR
Formulation	Lyophilized; reconstitute in 1 ml dist. water (final solution contains 0.5% BSA in PBS buffer, pH 7.4)
Conjugate	Unconjugated
Purification	Affinity chromatography
Storage before reconstitution	2-8°C until indicated expiry date
Storage after reconstitution	Up to 3 months at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles
Intended use	Research use only
Application	IHC, WB
Reactivity	Human

Applications

Immunohistochemistry (IHC) - frozen	1:20
Immunohistochemistry (IHC) - paraffin	1:20 (microwave treatment recommended)
Western Blot (WB)	Assay dependent

Background

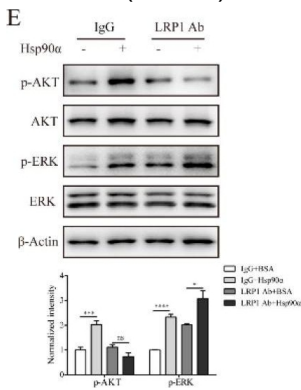
8G1 specifically reacts with the 515 kDa a-chain of human LRP/a2MR which is expressed in a restricted spectrum of cell types (Herz & Strickland, 2001). A strong immunohistochemical reaction is seen in hepatocytes, tissue macrophages, subsets of neurones and astrocytes in the central nervous system, fibroblasts, smooth muscle cells, and monocyte-derived foam cells in atherosclerotic lesions in the arterial wall. The antibody can also be used for the characterization of a subset of myelo-monocytic subtypes of chronic and acute leukemia (CD 91).

Herz J and Strickland DK: LRP, a multifunctional scavenger and signaling receptor. J. Clin. Invest. 108, 779-784 (2001).

Product images



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[Hou, Q., Chen, S., et al. Extracellular Hsp90 \$\alpha\$ Promotes Tumor Lymphangiogenesis and Lymph Node Metastasis in Breast Cancer. Int J Mol Sci. 2021-07-20.](#) Species/Reactant: Homo sapiens (Human) Applications: Western Blotting Image collected and cropped by CiteAb from the following publication, provided under a CC-BY licence.

References

Publication	Species	Application
Hou, Q. et al. Extracellular hsp90α promotes tumor lymphangiogenesis and lymph node metastasis in breast cancer. <i>Int. J. Mol. Sci.</i> 22, (2021).	human	WB
Misra, U. K., Gawdi, G. & Pizzo, S. V. Ligation of low-density lipoprotein receptor-related protein with antibodies elevates intracellular calcium and inositol 1,4, 5-trisphosphate in macrophages. <i>Arch. Biochem. Biophys.</i> 372, 238-47 (1999).	mouse	ICC-IF
Coukos, G. et al. Expression of alpha 2-macroglobulin receptor/low density lipoprotein receptor-related protein and the 39-kd receptor-associated protein in human trophoblasts. <i>Am. J. Pathol.</i> 144, 383-92 (1994).	human	IHC (frozen)
Rebeck, G. W., Reiter, J. S., Strickland, D. K. & Hyman, B. T. Apolipoprotein E in sporadic Alzheimer's disease: allelic variation and receptor interactions. <i>Neuron</i> 11, 575-80 (1993).	human	IHC (frozen)
Wolf, B. B., Lopes, M. B., VandenBerg, S. R. & Gonias, S. L. Characterization and immunohistochemical localization of alpha 2-macroglobulin receptor (low-density lipoprotein receptor-related protein) in human brain. <i>Am. J. Pathol.</i> 141, 37-42 (1992).	human	WB,IHC (paraffin)