

## Product datasheet

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

### Short overview

|                      |  |
|----------------------|--|
| <b>Cat. No.</b>      | 61065  |
| <b>Quantity</b>      | 50 µg  |
| <b>Concentration</b> | 50 µg/ml after reconstitution with 1ml dist. water |

### Product description

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

### Applications

|  |  |
|--|--|
| <b>Immunohistochemistry (IHC) - frozen</b>   | 1:20                                   |
| <b>Immunohistochemistry (IHC) - paraffin</b> | 1:20 (microwave treatment recommended) |
| <b>Western Blot (WB)</b>                     | Assay dependent                        |

### Background

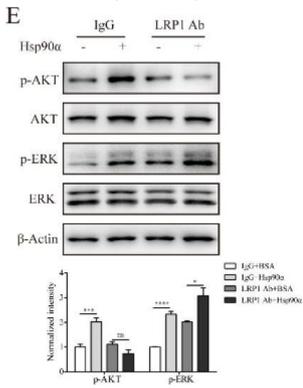
8G1 specifically reacts with the 515 kDa a-chain of human LRP/a2MR which is expressed in a restricted spectrum of cell types (Herz & Strickland, 2001). A strong immunohistochemical reaction is seen in hepatocytes, tissue macrophages, subsets of neurones and astrocytes in the central nervous system, fibroblasts, 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



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



[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       |
|--|---------|-------------------|
| <a href="#">Hou, Q. et al. Extracellular hsp90<math>\alpha</math> promotes tumor lymphangiogenesis and lymph node metastasis in breast cancer. <i>Int. J. Mol. Sci.</i> 22, (2021).</a>  | human   | WB                |
| <a href="#">Misra, U. K., Gawdi, G. &amp; 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).</a>          | mouse   | ICC-IF            |
| <a href="#">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).</a>   | human   | IHC (frozen)      |
| <a href="#">Rebeck, G. W., Reiter, J. S., Strickland, D. K. &amp; Hyman, B. T. Apolipoprotein E in sporadic Alzheimer's disease: allelic variation and receptor interactions. <i>Neuron</i> 11, 575-80 (1993).</a>   | human   | IHC (frozen)      |
| <a href="#">Wolf, B. B., Lopes, M. B., VandenBerg, S. R. &amp; 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).</a> | human   | WB,IHC (paraffin) |