

## Product datasheet for **BM5054**

### LRPAP1 Mouse Monoclonal Antibody [Clone ID: 7F1]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	7F1
Applications:	IF, IHC, WB
Recommended Dilution:	<b>Immunoblotting.</b> <b>Immunofluorescence.</b> <b>Immunohistochemistry:</b> 1/20. <b>Ligand-binding assays.</b>
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human RAP.
Specificity:	This antibody BM5054 (7F1) reacts with the <b>39 kDa</b> RAP protein, which is cosynthesized with Human LRP/alpha2MR (low density lipoprotein receptor-related protein/alpha2-Macroglobulin Receptor). It inhibits the binding of ligands, e.g. tPA, uPA, VLDL, lipoprotein lipase, and alpha2-Macroglobulin-proteinase complexes to LRP/A2MR.
Formulation:	PBS buffer, pH 7.4 containing 0.5% BSA as stabilizer. State: Purified State: Lyophilized purified IgG fraction.
Reconstitution Method:	Restore in 1 ml distilled water.
Purification:	Affinity Chromatography on Protein A .
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at 2-8°C. Following reconstitution store the antibody at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	LDL receptor related protein associated protein 1



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**Database Link:** [Entrez Gene 4043 Human P30533](#)

**Background:** Low density lipoprotein receptor-related protein-associated protein 1 (RAP) interacts with LRP1/alpha-2-macroglobulin receptor and glycoprotein 330. It is present on the cell surface forming a complex with the alpha 2 macroglobulin receptor heavy and light chains. Binds LRP1B; binding is followed by internalization and degradation. In complex with the alpha 2 MR or gp330, it may have some role in the pathogenesis of membrane glomerular nephritis.

**Synonyms:** Alpha-2-MRAP, RAP