



Rat Receptor-associated Protein [Myc] (DAG386)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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| Product Overview | Sequencehighly homologous with human RAP. Rat his: RAP:c-myc fusion partner. Mr40,000 |
| Antigen Description | Low density lipoproteinreceptor-related protein associated protein 1 also known as LRPAP1 or RAP is a chaperone protein which in humans is encoded by the LRPAP1 gene.LRPAP1 is involved with trafficking of certain members of the LDL receptorfamily including LRP1 and LRP2. It is a glycoprotein that binds to thealpha-2-macroglobulin receptor, aswell as to other members of the low density lipoprotein receptor family. Itacts to inhibit the binding of all know ligands for these receptors, and mayprevent receptor aggregation and degradation in the endoplasmic reticulum,thereby acting as a molecular chaperone. It may be under the regulatorycontrol of calmodulin, since it is able to bind calmodulin and bephosphorylated by calmodulin-dependent kinase II. |
| Species | Rat |
| Conjugate | Myc |
| Applications | Proteinstandard in 1D and 2D SDS gel electrophoresis, immunoblotting andreceptor-binding studies. Each laboratory should determine an optimum workingtiter for use in its particular application. Other applications have not beentested but use in such assays |
| Format | Purified, Lyophilized Reconstitutewith 100µl distilled water. |
| Concentration | 1 mg/ml (prior tolyophilization) |
| Buffer | Lyophilized fromTBS, pH 7.5 containing 0.1% BSA |
| Preservative | 0.09% Sodium Azide |
| Storage | 2-8°C short term, -20°C long term |

BACKGROUND

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| Introduction | Interacts with LRP1/alpha-2-macroglobulin receptor and glycoprotein 330. |
| Keywords | LRPAP1; low density lipoprotein receptor-related protein associated protein 1; A2MRAP, low density lipoprotein related protein associated protein 1 (alpha 2 macroglobulin receptor associated protein 1); alpha-2-macroglobulin receptor-associated protein; H |
