

## Product datasheet for **TA500974AM**

### Serine racemase (SRR) Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI7E8]

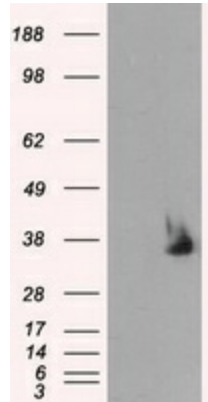
#### Product data:

|                         |   |
|-------------------------|---|
| Product Type:           | Primary Antibodies  |
| Clone Name:             | OTI7E8  |
| Applications:           | FC, IF, IHC, WB   |
| Recommended Dilution:   | IHC 1:100~200, WB: 1:200  |
| Reactivity:             | Human, Mouse, Rat   |
| Host:                   | Mouse   |
| Isotype:                | IgG1  |
| Clonality:              | Monoclonal  |
| Immunogen:              | Full length human recombinant protein of human SRR(NP_068766) produced in HEK293T cell.   |
| Formulation:            | PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.  |
| Concentration:          | 0.5 mg/ml   |
| Purification:           | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)   |
| Conjugation:            | Biotin  |
| Storage:                | Store at -20°C as received.   |
| Stability:              | Stable for 12 months from date of receipt.  |
| Predicted Protein Size: | 36.6 kDa  |
| Gene Name:              | serine racemase   |
| Database Link:          | <a href="#">NP_068766</a><br><a href="#">Entrez Gene 27364 Mouse</a> <a href="#">Entrez Gene 303306 Rat</a> <a href="#">Entrez Gene 63826 Human</a><br><a href="#">Q9GZT4</a> |
| Background:             | Catalyzes the synthesis of D-serine from L-serine   |
| Synonyms:               | ILV1; ISO1  |
| Protein Pathways:       | Glycine, serine and threonine metabolism  |

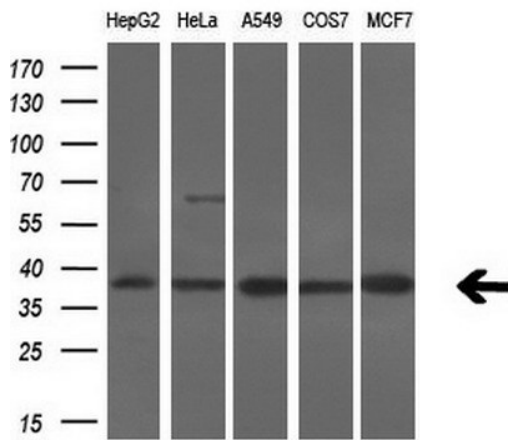


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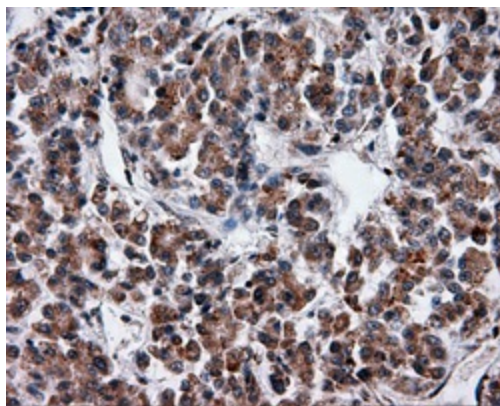
**Product images:**



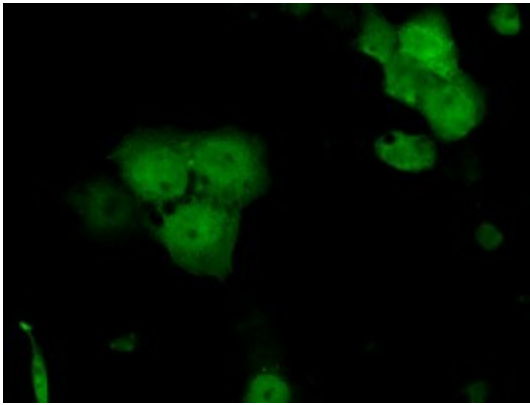
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY SRR ([RC210359], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-SRR. Positive lysates [LY402897] (100ug) and [LC402897] (20ug) can be purchased separately from OriGene.



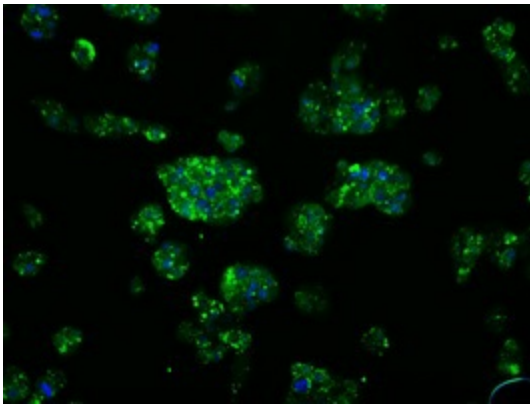
Western blot analysis of extracts (10ug) from 5 different cell lines by using anti-SRR monoclonal antibody (1:200).



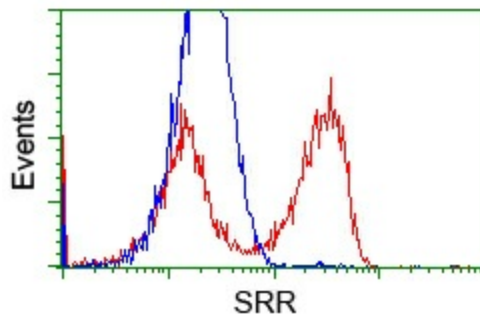
Immunohistochemical staining of paraffin-embedded Carcinoma of liver tissue using anti-SRR mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA500974], Dilution 1:50)



Anti-SRR mouse monoclonal antibody ([TA500974]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY SRR ([RC210359]).



Immunofluorescent staining of HepG2 cells using anti-SRR mouse monoclonal antibody ([TA500974]).



HEK293T cells transfected with either pCMV6-ENTRY SRR ([RC210359]) (Red) or empty vector control plasmid (Blue) were immunostained with anti-SRR mouse monoclonal ([TA500974]), and then analyzed by flow cytometry.