

# Product Datasheet

## StAR Antibody (STAR/2154) [Alexa Fluor™ Plus 555] NBP2-75742AFP555

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-75742AFP555**

StAR Antibody (STAR/2154) [Alexa Fluor™ Plus 555]

| Product Information |   |
|---------------------|---|
| Unit Size           | 0.1 ml  |
| Concentration       | Please see the vial label for concentration. If unlisted please contact technical services. |
| Storage             | Store at 4C in the dark.  |
| Clonality           | Monoclonal  |
| Clone               | STAR/2154   |
| Preservative        | 0.05% Sodium Azide  |
| Isotype             | IgG1 Kappa  |
| Conjugate           | Alexa Fluor Plus 555  |
| Purity              | Protein A or G purified   |
| Buffer              | 50mM Sodium Borate  |

| Product Description     |  |
|-------------------------|--|
| Host                    | Mouse  |
| Gene ID                 | 6770   |
| Gene Symbol             | STAR   |
| Species                 | Human  |
| Marker                  | Leydig Cell Marker   |
| Specificity/Sensitivity | Steroidogenic Acute Regulatory Protein (STAR) controls the rate-limiting step of steroidogenesis by translocating cholesterol from the outer mitochondrial membrane to the inner membrane where it is later cleaved to pregnenolone. It is primarily present in steroid-producing cells, including Leydig cells in the testis, theca cells and luteal cells in the ovary and adrenal cells in the adrenal cortex. Due to low levels of pregnenolone, seminomas and Leydig cell tumors display no specific STAR staining. Therefore, STAR antibody may assist in differentiating sex cord stromal tumors (SCST), seminomas and embryonal carcinomas.  |
| Immunogen               | Recombinant fragment (around aa 39-108) of human StAR protein (exact sequence is proprietary) (Uniprot: P49675)  |
| Notes                   | This product is provided under an intellectual property license from Life Technologies Corporation. The transfer of this product is conditioned on the buyer using the purchased product solely in research conducted by the buyer, excluding contract research or any fee for service research, and the buyer must not (1) use this product or its components for (a) diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening services, or information in return for compensation on a per-test basis; or (c) manufacturing or quality assurance or quality control, and/or (2) sell or transfer this product or its components for resale, whether or not resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5781 Van Allen Way, Carlsbad, CA 92008 USA or <a href="mailto:outlicensing@thermofisher.com">outlicensing@thermofisher.com</a> . This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet. |

| Product Application Details |  |
|-----------------------------|--|
| Applications                | Immunohistochemistry-Paraffin, Immunohistochemistry, Protein Array |
| Recommended Dilutions       | Immunohistochemistry, Immunohistochemistry-Paraffin, Protein Array |



**Application Notes**

Optimal dilution of this antibody should be experimentally determined.





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### **Products Related to NBP2-75742AFP555**

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|                  |                                    |
|------------------|------------------------------------|
| NBP1-72531-100ug | Recombinant Human StAR His Protein |
| 291-G1-200       | IGF-I/IGF-1 [Unconjugated]         |
| NBP2-09031       | StAR Overexpression Lysate         |
| NB100-1596       | Aromatase Antibody - BSA Free      |

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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