

# Product Datasheet

## Thymidylate Synthase Antibody (TS106)

**NBP2-34445-0.1mg**

Unit Size: 0.1 mg

Store at 4C.

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**NBP2-34445-0.1mg**

Thymidylate Synthase Antibody (TS106)

| Product Information     |                          |
|-------------------------|--------------------------|
| Unit Size               | 0.1 mg                   |
| Concentration           | 0.2 mg/ml                |
| Storage                 | Store at 4C.             |
| Clonality               | Monoclonal               |
| Clone                   | TS106                    |
| Preservative            | 0.05% Sodium Azide       |
| Isotype                 | IgG1 Kappa               |
| Purity                  | Protein A or G purified  |
| Buffer                  | 10 mM PBS with 0.05% BSA |
| Target Molecular Weight | 36 kDa                   |

| Product Description |   |
|---------------------|---|
| Description         | 200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA at 1.0 mg/ml. (NBP2-34502)<br><br>Antibody with azide - store at 2 to 8C. |
| Host                | Mouse   |
| Gene ID             | 7298  |
| Gene Symbol         | TYMS  |
| Species             | Human   |
| Marker              | 5-FU Resistance Marker  |
| Immunogen           | Recombinant full-length human Thymidylate Synthase protein. (Uniprot: P04818 )  |

| Product Application Details |   |
|-----------------------------|---|
| Applications                | Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin  |
| Recommended Dilutions       | Flow Cytometry 0.5-1 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 0.5-1 ug/ml, Immunohistochemistry-Paraffin 1-2 ug/ml   |
| Application Notes           | Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined. |



## Images

Immunohistochemistry-Paraffin: Thymidylate Synthase Antibody (TS106) [NBP2-34445] - Formalin-fixed, paraffin-embedded human Testicular Carcinoma stained with Thymidylate Synthase Antibody (TS106).



## Publications

Hendrych M, RihovA K, Adamova B et al. Disulfiram increases the efficacy of 5-fluorouracil in organotypic cultures of colorectal carcinoma Biomedicine & Pharmacotherapy 2022-09-01 [PMID: 36076577] (IHC-P, Human)



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### **Products Related to NBP2-34445-0.1mg**

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|                  |   |
|------------------|---|
| HAF007           | Goat anti-Mouse IgG Secondary Antibody [HRP]            |
| NB720-B          | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-43319-0.5mg | Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)           |
| NBP1-30310       | Recombinant Human Thymidylate Synthase His Protein      |

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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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