

Product Datasheet

PD-ECGF/Thymidine Phosphorylase Antibody (TYMP/2890R) NBP3-07281-100ug

Unit Size: 100 ug

Store at 4C.

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Updated 7/16/2024 v.20.1

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NBP3-07281-100ug

PD-ECGF/Thymidine Phosphorylase Antibody (TYMP/2890R)

| Product Information | |
|-------------------------|--------------------------|
| Unit Size | 100 ug |
| Concentration | 0.2 mg/ml |
| Storage | Store at 4C. |
| Clonality | Monoclonal |
| Clone | TYMP/2890R |
| Preservative | 0.05% Sodium Azide |
| Isotype | IgG |
| Purity | Protein A or G purified |
| Buffer | 10 mM PBS with 0.05% BSA |
| Target Molecular Weight | 55 kDa |

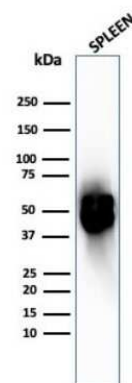
| Product Description | |
|-------------------------|--|
| Description | <p>200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP3-08402)</p> <p>Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.</p> |
| Host | Rabbit |
| Gene ID | 1890 |
| Gene Symbol | TYMP |
| Species | Human, Mouse, Rat |
| Marker | Angiogenesis Marker |
| Specificity/Sensitivity | <p>Recognizes a protein (amino acid 482) of 55kDa (in vivo 110kDa homodimer), identified as platelet-derived endothelial growth factor (PD-ECGF), same as thymidine phosphorylase (TP) or gliostatin. In the presence of inorganic orthophosphate, it catalyzes the reversible phospholytic cleavage of thymidine and deoxyuridine to their corresponding bases and 2-deoxyribose-1-phosphate. It is both chemotactic and mitogenic for endothelial cells and a non-heparin binding angiogenic factor present in platelets. Its enzymatic activity is crucial for angiogenic activity (metabolite is angiogenic). Higher levels of serum TP/PD-ECGF are observed in cancer patients. It is also involved in transformation of fluoropyrimidines, cytotoxic agents used in the treatment of a variety of malignancies, into active cytotoxic metabolites (e.g. 5-deoxy-5-fluorouridine to 5-FU). High intra-cellular levels of TP/PD-ECGF are associated with increased chemosensitivity to such antimetabolites.</p> |
| Immunogen | Recombinant full-length human PD-ECGF/Thymidine Phosphorylase protein (Uniprot: P19971) |

| Product Application Details | |
|-----------------------------|---|
| Applications | Western Blot, Immunohistochemistry-Paraffin |
| Recommended Dilutions | Western Blot 2-4 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. |

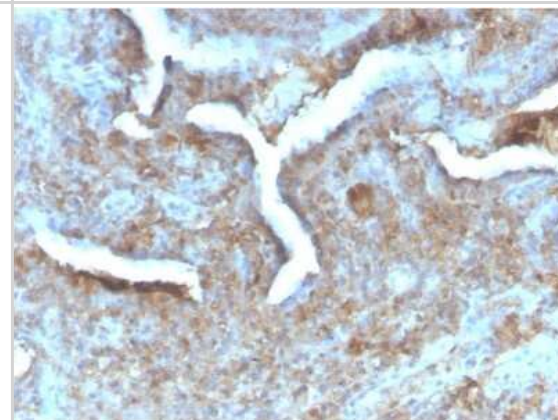


Images

Western Blot: PD-ECGF/Thymidine Phosphorylase Antibody (TYMP/2890R) [NBP3-07281] - Western Blot Analysis of human spleen tissue lysate using PD-ECGF/Thymidine Phosphorylase antibody (TYMP/2890R).



Immunohistochemistry-Paraffin: PD-ECGF/Thymidine Phosphorylase Antibody (TYMP/2890R) [NBP3-07281] - Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with PD-ECGF/Thymidine Phosphorylase Rabbit Recombinant Monoclonal (TYMP/2890R).





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Products Related to NBP3-07281-100ug

| | |
|---------------|---|
| HAF008 | Goat anti-Rabbit IgG Secondary Antibody [HRP] |
| NB7160 | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891 | Rabbit IgG Isotype Control |
| NBP1-84916PEP | PD-ECGF/Thymidine Phosphorylase Recombinant Protein Antigen |

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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