

Product Datasheet

PD-ECGF/Thymidine Phosphorylase Antibody (TYMP/2890R) [DyLight 680] NBP3-08402FR

Unit Size: 100 ul

Store at 4C in the dark.

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NBP3-08402FR

PD-ECGF/Thymidine Phosphorylase Antibody (TYMP/2890R) [DyLight 680]

| Product Information | |
|---------------------|---|
| Unit Size | 100 ul |
| Concentration | Please see the vial label for concentration. If unlisted please contact technical services. |
| Storage | Store at 4C in the dark. |
| Clonality | Monoclonal |
| Clone | TYMP/2890R |
| Preservative | 0.05% Sodium Azide |
| Isotype | IgG |
| Conjugate | DyLight 680 |
| Purity | Protein A or G purified |
| Buffer | 50mM Sodium Borate |

| Product Description | |
|-------------------------|---|
| Host | Rabbit |
| Gene ID | 1890 |
| Gene Symbol | TYMP |
| Species | Human, Mouse, Rat |
| Marker | Angiogenesis Marker |
| Specificity/Sensitivity | 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. |
| Immunogen | Recombinant full-length human PD-ECGF/Thymidine Phosphorylase protein (Uniprot: P19971) |
| Notes | DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries. |

| Product Application Details | |
|-----------------------------|--|
| Applications | Western Blot, Immunohistochemistry-Paraffin |
| Recommended Dilutions | Western Blot, Immunohistochemistry-Paraffin |
| Application Notes | Optimal dilution of this antibody should be experimentally determined. |





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Products Related to NBP3-08402FR

| | |
|---------------|---|
| NBP2-24891FR | Rabbit IgG Isotype Control [DyLight 680] |
| NBP1-84916PEP | PD-ECGF/Thymidine Phosphorylase Recombinant Protein Antigen |
| 210-TA-005 | TNF-alpha [Unconjugated] |
| 229-PE-010/CF | PD-ECGF/Thymidine Phosphorylase [Unconjugated] |

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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