

Product Datasheet

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

Unit Size: 100 ug

Store at 4C.

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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	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) Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
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)

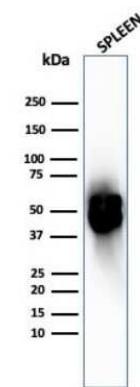
Product Application Details

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.

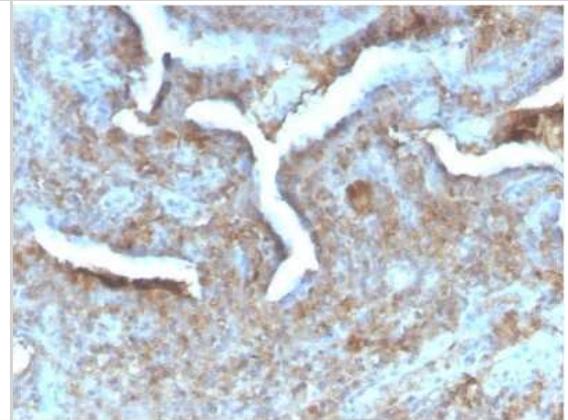


Images

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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