Recombinant Thymidine Phosphorylase / PD-ECGF (Angiogenesis Marker) Antibody

Rabbit Monoclonal Antibody [Clone TYMP/2890R]

Catalog No	Format	Size
1890-RBM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
1890-RBM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
1890-RBM2-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

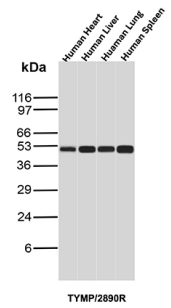
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

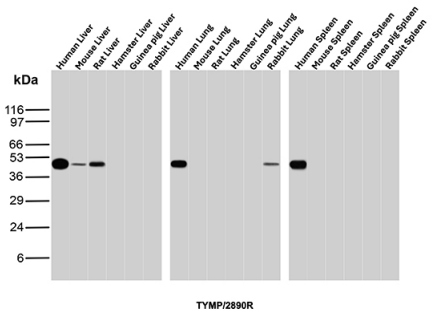
Clone	TYMP/2890R
Immunogen	Recombinant full-length human Thymidine Phosphorylase protein
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	49.95kDa
Species Reactivity	Human
Positive Control	Bladder, HUVEC cells. Breast, Lung or Kaposi tumors., Spleen, Heart, Liver, Lung

**Optimal dilution for a specific application should be determined.*

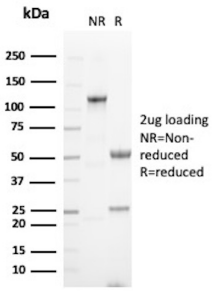
Product Images for Recombinant Thymidine Phosphorylase / PD-ECGF (Angiogenesis Marker) Antibody



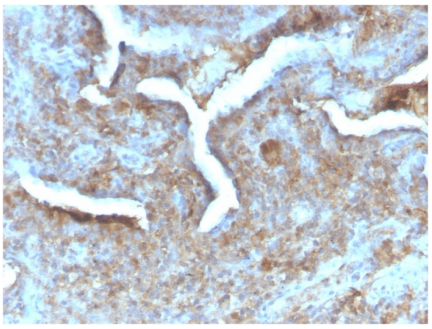
Western Blot Analysis of Human Heart, Human Liver, Human Lung and Human Spleen tissue lysates using Thymidine Phosphorylase Recombinant Rabbit Monoclonal Antibody (TYMP/2890R).



Western Blot Analysis of Liver, Lung and Spleen tissue lysates of different species using Thymidine Phosphorylase Recombinant Rabbit Monoclonal Antibody (TYMP/2890R).



SDS-PAGE Analysis of Purified Thymidine phosphorylase Rabbit Monoclonal Antibody (TYMP/2890R). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with Thymidine Phosphorylase Rabbit Recombinant Monoclonal (TYMP/2890R).

Specificity & Comments

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.

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.