

Datasheet for ABIN5011816

anti-Thymidine Phosphorylase antibody (AA 121-220) (AbBy Fluor® 750)



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Overview

Quantity:	100 µL
Target:	Thymidine Phosphorylase (TYMP)
Binding Specificity:	AA 121-220
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Thymidine Phosphorylase antibody is conjugated to AbBy Fluor® 750
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Thymidine Phosphorylase
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Purified by Protein A.

Target Details

Target:	Thymidine Phosphorylase (TYMP)
Alternative Name:	TP/thymidine phosphorylase (TYMP Products)
Background:	Synonyms: ECGF 1, PDEGF, ECGF1, Endothelial cell growth factor 1, Endothelial cell growth

Target Details

factor 1 platelet derived, Gliostatin, hPD ECGF, MNGIE, PD ECGF, PDECGF, PDEGF, Platelet derived endothelial growth factor, TdRPase, TP, TYMP, Thymidine Phosphorylase, TYPH_HUMAN, TdRPase.

Background: In the presence of inorganic orthophosphate, the platelet-derived endothelial growth factor (PD-ECGF) thymidine phosphorylase (TP) (gliostatin) catalyses 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. It is also involved in transformation of fluoropyrimidines, cytotoxic agents used in the treatment of a variety of malignancies, into active cytotoxic metabolites.

Gene ID: 1890

Pathways: [Signaling Events mediated by VEGFR1 and VEGFR2](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months