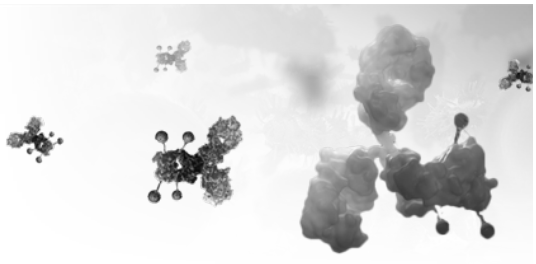

Anti-WARS monoclonal antibody, clone FQS4534 (DCABH-185)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rabbit monoclonal to Tryptophanyl tRNA synthetase
Antigen Description	Isoform 1, isoform 2 and T1-TrpRS have aminoacylation activity while T2-TrpRS lacks it. Isoform 2, T1-TrpRS and T2-TrpRS possess angiostatic activity whereas isoform 1 lacks it. T2-TrpRS inhibits fluid shear stress-activated responses of endothelial cells. Regulates ERK, Akt, and eNOS activation pathways that are associated with angiogenesis, cytoskeletal reorganization and shear stress-responsive gene expression.
Immunogen	Synthetic peptide corresponding to residues in Human Tryptophanyl tRNA synthetase.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Mouse, Rat, Human
Clone	FQS4534
Conjugate	Unconjugated
Applications	WB, IHC-P, Flow Cyt
Positive Control	HeLa, JAR, 293T and L6 cell lysates; Human breast tissue
Format	Liquid
Size	100 µl
Buffer	PBS 49%,Sodium azide 0.01%,Glycerol 50%,BSA 0.05%
Preservative	0.1% Sodium Azide

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Storage	Store at -20°C. Stable for 12 months at -20°C

GENE INFORMATION

Gene Name	WARS tryptophanyl-tRNA synthetase [Homo sapiens]
Official Symbol	WARS
Synonyms	WARS; tryptophanyl-tRNA synthetase; IFI53; tryptophan--tRNA ligase, cytoplasmic; IFP53; tryptophan tRNA ligase 1; cytoplasmic; hWRS; trpRS; interferon-induced protein 53; tryptophan tRNA ligase 1, cytoplasmic; GAMMA-2;
Entrez Gene ID	7453
Protein Refseq	NP_004175
UniProt ID	A0A024R6K8
Chromosome Location	14q32.2
Pathway	Aminoacyl-tRNA biosynthesis, organism-specific biosystem; Aminoacyl-tRNA biosynthesis, conserved biosystem; Aminoacyl-tRNA biosynthesis, eukaryotes, organism-specific biosystem; Aminoacyl-tRNA biosynthesis, eukaryotes, conserved biosystem; Cytosolic tRNA aminoacylation, organism-specific biosystem; Gene Expression, organism-specific biosystem; Tryptophan metabolism, organism-specific biosystem;
Function	ATP binding; aminoacyl-tRNA ligase activity; ligase activity; nucleotide binding; protein binding; tryptophan-tRNA ligase activity; tryptophan-tRNA ligase activity;

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