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TrpRS Antibody

Rabbit mAb
Catalog # AP92387

Product Information

Application	WB, IHC, FC
Primary Accession	P23381
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	WARS; GAMMA-2; HWRS; IFI53; IFP53; TrpRS; WRS;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	53165

Additional Information

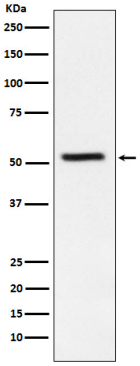
Dilution	WB 1:500~1:2000 IHC 1:100~1:500 FC 1:50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human TrpRS
Description	Isoform 1, isoform 2 and T1-TrpRS have aminoacylation activity while T2-TrpRS lacks it. Isoform 2, T1-TrpRS and T2-TrpRS possess angiostatic activity whereas isoform 1 lacks it. T2-TrpRS inhibits fluid shear stress-activated responses of endothelial cells.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	WARS1 (HGNC:12729)
Synonyms	IFI53, WARS, WRS
Function	Catalyzes the attachment of tryptophan to tRNA(Trp) in a two- step reaction: tryptophan is first activated by ATP to form Trp-AMP and then transferred to the acceptor end of the tRNA(Trp).
Cellular Location	Cytoplasm.

Images

Western blot analysis of TrpRS expression in HeLa cell lysate.



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