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anti-GNPDA1 antibody (AA 201-289) (AbBy Fluor® 488)



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	N/P	r\/I	i⊢₩

Quantity:	100 μL
Target:	GNPDA1
Binding Specificity:	AA 201-289
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GNPDA1 antibody is conjugated to AbBy Fluor® 488
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 GNPDA1	
Isotype:	IgG	
Cross-Reactivity:	Mouse	
Predicted Reactivity:	Human,Rat,Cow,Sheep,Pig	
Purification:	Purified by Protein A.	

Target Details

Target:	GNPDA1
Alternative Name:	GNPDA1 (GNPDA1 Products)

Target Details

Background:	Synonyms: EC 3.5.99.6, GlcN6P deaminase 1, Glucosamine 6 phosphate deaminase 1,	
	Glucosamine 6 phosphate isomerase 1, Glucosamine-6-phosphate deaminase 1, Glucosamine-	
	6-phosphate isomerase 1, GNPDA 1, GNPDA1, GNPI, GNPI1_HUMAN, HLN, KIAA0060, Oscillin,	
	Putative glucosamine 6 phosphate isomerase.	
	Background: During fertilization in mammals, the sperm activates the egg by causing an	
	increase in the level of free cytoplasmic calcium concentration. This increased calcium	
	concentration induces a characteristic series of oscillations that trigger egg activation and early	
	embryo development. A hamster protein named oscillin is thought to be involved in this	
	pathway. The enzyme glucosamine-6-phosphate isomerase (GNPI) or deaminase (GNPDA1)	
	and the related protein GNPDA2 are the human homologs of hamster oscillin. GNPDA1 and	
	GNPDA2 catalyze the conversion of GNP to fructose-6-phosphate and ammonia. Both proteins	
	exist as homohexamers and are ubiquitously expressed with highest expression in testis, ovary	
	and heart. Three isoforms of GNPDA2 are expressed due to alternative splicing events.	
Gene ID:	10007	
Application Details		
Application Notes:	IF(IHC-P) 1:50-200	
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	IF(ICC) 1:50-200	
Restrictions:	For Research Use only	
Llandling		
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	