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anti-GNPDA2 antibody (AA 101-200) (HRP)



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Quantity:	100 μL	
Target:	GNPDA2	
Binding Specificity:	AA 101-200	
Reactivity:	Mouse, Rat	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This GNPDA2 antibody is conjugated to HRP	
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))	

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human GNPDA2
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human,Dog,Cow,Sheep,Pig,Horse
Purification:	Purified by Protein A.

Target Details

Target:	GNPDA2
Alternative Name:	GNPDA2 (GNPDA2 Products)

Target Details

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Background:	Synonyms: GlcN6P deaminase 2, Glucosamine 6 phosphate deaminase 2, Glucosamine 6	
	phosphate isomerase 2, Glucosamine 6 phosphate isomerase SB52, Glucosamine-6-phosphate	
	deaminase 2, Glucosamine-6-phosphate isomerase 2, Glucosamine-6-phosphate isomerase	
	SB52, GNP2, GNPDA 2, Gnpda2, GNPI2_HUMAN, SB52.	
	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:	132789	
Application Details		
Application Notes:	WB 1:300-5000	
	IHC-P 1:200-400	
	IHC-F 1:100-500	
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.	
Handling Advice:	Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.	
Storage:	-20 °C	
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Handling

Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months