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## anti-Growth Hormone Receptor antibody (AA 101-200)



**Images** 



**Publications** 



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Quantity:	100 μL
Target:	Growth Hormone Receptor (GHR)
Binding Specificity:	AA 101-200
Reactivity:	Human, Mouse, Rat, Pig, Sheep
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Growth Hormone Receptor antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF
	(cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry
	(Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

## **Product Details**

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

## **Target Details**

Target:	Growth Hormone Receptor (GHR)

## **Target Details**

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Alternative Name:	GHR (GHR Products)	
Background:	Synonyms: GHBP, Growth hormone receptor, GH receptor, Somatotropin receptor, GHR	
	Background: Receptor for pituitary gland growth hormone involved in regulating postnatal bod	
	growth. On ligand binding, couples to the JAK2/STAT5 pathway (By similarity). The soluble	
	form (GHBP) acts as a reservoir of growth hormone in plasma and may be a	
	modulator/inhibitor of GH signaling. Isoform 2 up-regulates the production of GHBP and acts	
	as a negative inhibitor of GH signaling.	
Gene ID:	2690	
UniProt:	P10912	
Pathways:	NF-kappaB Signaling, JAK-STAT Signaling, Response to Growth Hormone Stimulus	
Application Details		
Application Notes:	WB 1:300-5000	
	ELISA 1:500-1000	
	FCM 1:20-100	
	IHC-P 1:200-400	
	IHC-F 1:100-500	
	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:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % 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:	4 °C,-20 °C	
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.	

**Expiry Date:** 

12 months

#### **Publications**

Product cited in:

Zhou, Yang, Yang, Huang, Zhou, Jiang, Yang: "Effects of zearalenone on the localization and expression of the growth hormone receptor gene in the uteri of post-weaning piglets." in: **Asian-Australasian journal of animal sciences**, Vol. 31, Issue 1, pp. 32-39, (2018) (PubMed).

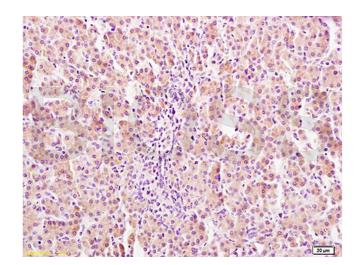
Zhao, Feng, Zhang, Kou, Li, Liu, Zhang, Cui, Chu, Shen, Min: "Inhibition of peripubertal sheep mammary gland development by cysteamine through reducing progesterone and growth factor production." in: **Theriogenology**, Vol. 89, pp. 280-288, (2017) (PubMed).

Chu, Zhao, Feng, Zhang, Liu, Cheng, Li, Shen, Cao, Li, Min: "MicroRNA-126 participates in lipid metabolism in mammary epithelial cells." in: **Molecular and cellular endocrinology**, Vol. 454, pp. 77-86, (2017) (PubMed).

Hetz, Menzies, Shaw, Rao, Clarke, Renfree: "Growth axis maturation is linked to nutrition, growth and developmental rate." in: **Molecular and cellular endocrinology**, Vol. 411, pp. 38-48, (2015) (PubMed).

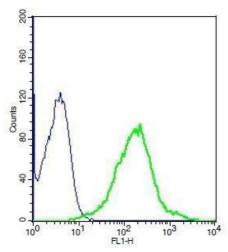
Song, Yang, Tang, Chen: "Effects of sericin on the testicular growth hormone/insulin-like growth factor-1 axis in a rat model of type 2 diabetes." in: **International journal of clinical and experimental medicine**, Vol. 8, Issue 7, pp. 10411-9, (2015) (PubMed).

There are more publications referencing this product on: Product page



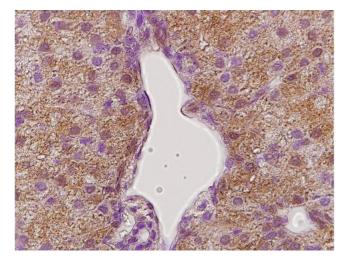
#### **Immunohistochemistry**

**Image 1.** Formalin-fixed and paraffin embedded rat liver tissue labeled Anti-GHR Polyclonal Antibody, Unconjugated (ABIN671481) at 1:400, followed by conjugation to the secondary antibody and DAB staining



#### **Flow Cytometry**

**Image 2.** Human A549 cell lysates probed with Rabbit Anti-GHR Polyclonal Antibody, Unconjugated .



### **Immunohistochemistry (Paraffin-embedded Sections)**

**Image 3.** This image was generously provided by Brandon Menzies, PhD, from The University of Melbourne. Paraffin embedded tammar wallaby (Macropus eugenii) liver labeled with Rabbit Anti-GHR Polyclonal Antibody, Unconjugated at 1:300 followed by conjugation to a secondary antibody and staining.

Please check the product details page for more images. Overall 6 images are available for ABIN671481.