

Rabbit anti-Mouse, Human GH/Growth Hormone Polyclonal Antibody | anti-GH1 antibody

GH/Growth Hormone Rabbit anti-Human Polyclonal (aa28-217) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA163334	Rabbit	Mouse, Human	Western Blot, Immunohistochemistry, Immunocytochemistry

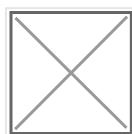
PRODUCT SYNONYMS

GH/Growth Hormone; Polyclonal Antibody; GH/Growth Hormone Rabbit anti-Human Polyclonal (aa28-217) Antibody; PathPlus GH/Growth Hormone Antibody (aa28-217); GH1; Growth hormone; GH; GHN; IGHD1B; GH-N; Pituitary growth hormone; Growth hormone 1; Somatotropin; anti-GH1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Human
Clonality	Polyclonal
Specificity	The antibody is a rabbit polyclonal antibody raised against GH.
Purity/Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Form/Format	0.01 M PBS, pH7.4, 0.05% ProClin 300, 50% Glycerol
Concentration	0.53mg/ml (varies by lot)
Applicable Applications for anti-GH1 antibody	WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry)
Target	Human GH/Growth Hormone
Immunogen	Recombinant Growth Hormone (Pro28-Phe217) expressed in E Coli.
Conjugation	Unconjugated
Epitope	aa28-217
Family	Somatotropin
Preparation and Storage	Avoid repeated freeze/thaw cycles. Store at 4 degree C for frequent use. Aliquot and store at -20 degree C for 12 months.

IMAGES



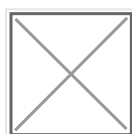
IHC (Immunohistochemistry)

GH/Growth Hormone Antibody-Human Placenta: Formalin-Fixed, Paraffin-Embedded (FFPE)



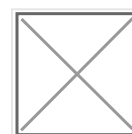
IHC (Immunohistochemistry)

GH/Growth Hormone Antibody-Human Pituitary: Formalin-Fixed, Paraffin-Embedded (FFPE)



WB (Western Blot)

GH/Growth Hormone Antibody-Western blot of recombinant GH/Growth Hormone.



WB (Western Blot)

GH/Growth Hormone Antibody-Western Blot; Sample: Mouse Cerebrum lysate; Primary Ab: 5ug/ml Rabbit Anti-Human GH Antibody Second Ab: 0.2ug/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody

ADDITIONAL INFORMATION

Related Product Information for anti-GH1 antibody	Growth Hormone antibody is an unconjugated rabbit polyclonal antibody to Growth Hormone (GH)(aa28-217) from human. It is reactive with human and mouse. Validated for ICC, IHC and WB. Growth Hormone (GH1, somatotropin) is a peptide hormone secreted by the pituitary gland that has anabolic functions in development to stimulate cell reproduction, regeneration and growth. Antibodies to GH1 and other hormones (prolactin, thyroid stimulating hormone) can help classify pituitary tumors, as roughly 15-20% of pituitary adenomas produce growth hormone. In immunohistochemistry of normal tissue, GH is positive in the cytoplasm of anterior pituitary gland cells and the placenta.
References	PLoS One. 2017 Jul 10;12(7):e0180039, PMID: 28692683; Front Endocrinol (Lausanne). 2015 Jun 12;6:97, PMID: 26124750; Neurosurg Focus. 2010 Oct;29(4):E2, PMID: 20887127; ISRN Endocrinol. 2013;2013:723432, PMID: 23401791; Arch Pathol Lab Med. 2017 Jan;141(1):104-112, PMID: 27227698

NCBI AND UNIPROT INFORMATION

NCBI GI #	13027812
NCBI GeneID	2688
NCBI Accession #	NP_000506.2
NCBI GenBank Nucleotide #	NM_000515
UniProt Accession #	P01241; Q14405; Q16631; Q5EB53; Q9HBZ1; Q9UMJ7; Q9UNL5; A6NEF6
Molecular Weight	20,201 Da
NCBI Official Full Name	somatotropin isoform 1
NCBI Official Synonym Full Names	growth hormone 1
NCBI Official Symbol	GH1
NCBI Official Synonym Symbols	GH; GHN; GH-N; hGH-N; IGHD1B
NCBI Protein Information	somatotropin; pituitary growth hormone
UniProt Protein Name	Somatotropin
UniProt Gene Name	GH1
UniProt Synonym Gene Names	GH; GH-N
UniProt Entry Name	SOMA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/gh-growth-hormone-antibody-western-blot-immunohistochemistry-immunocytochemistry-elisa/163334>