Recombinant Growth Hormone (Pituitary Marker) Antibody

Mouse Monoclonal Antibody [Clone rGH/4887]

Catalog No	Format	Size
2688-MSM7-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
2688-MSM7-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
2688-MSM7-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

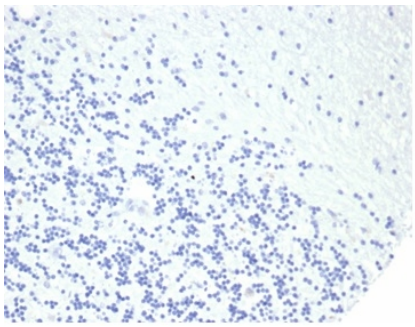
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

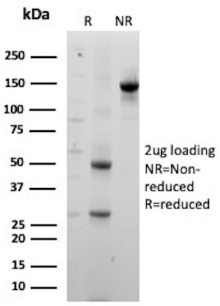
Clone	rGH/4887
Immunogen	Recombinant fragment (around aa1-217) of the human Growth Hormone (GH) protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	24.85kDa
Cellular Localization	Secreted
Species Reactivity	Human
Positive Control	Pituitary cells. Human pituitary tissue (IHC).

**Optimal dilution for a specific application should be determined.*

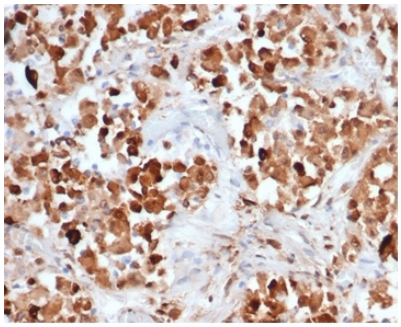
Product Images for Recombinant Growth Hormone (Pituitary Marker) Antibody



IHC analysis of formalin-fixed, paraffin-embedded human brain. Negative tissue control using rGH/4887 at 2ug/ml in PBS for 30min RT. HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.



SDS-PAGE Analysis of Purified Somatotropin Recombinant Mouse Monoclonal Antibody (rGH/4887). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human pituitary stained with Growth Hormone Recombinant Mouse Monoclonal Antibody (rGH/4887).

Specificity & Comments

Pituitary growth hormone (GH) plays a crucial role in stimulating and controlling the growth, metabolism and differentiation of many mammalian cell types by modulating the synthesis of multiple mRNA species. These effects are mediated by the binding of GH to its membrane-bound receptor, GHR, and involve a phosphorylation cascade that results in the modulation of numerous signaling pathways. GH is synthesized by acidophilic or somatotropic cells of the anterior pituitary gland. Anti-GH is a useful marker in classification of pituitary tumors and the study of pituitary disease (acromegaly).

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.