

Product Datasheet

ACTH Antibody (SPM333)

NBP2-32911-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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NBP2-32911-0.1mg

ACTH Antibody (SPM333)

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	SPM333
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA

Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-34761) Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Gene ID	5443
Gene Symbol	POMC
Species	Human, Mouse, Rat
Reactivity Notes	Expected to show broad species reactivity.
Marker	Adrenal Marker
Specificity/Sensitivity	ACTH (same as Corticotropin) is a 39 amino acid active peptide produced by the anterior pituitary. This monoclonal antibody is specific to Synacthen (aa1-24 of ACTH); does not react with CLIP (aa17-39 of ACTH). POMC (pro-opiomelanocortin or corticotropin-lipotropin) is a 267 amino acid polypeptide hormone precursor that goes through extensive, tissue-specific posttranslational processing by convertases. POMC is cleaved into ten hormone chains named NPP, ACTH, alpha-MSH (Melanocyte Stimulating Hormone), beta-MSH, gamma-MSH, CLIP (corticotropin-like intermediary peptide), Lipotropin-beta, Lipotropin-gamma, beta-endorphin and Met-enkephalin. ACTH is also produced by cells of immune system (T-cells, B-cells, and macrophages) in response to stimuli associated with stress. Anti-ACTH is a useful marker in classification of pituitary tumors and the study of pituitary disease. It reacts with ACTH-producing cells (corticotrophs). It also may react with other tumors (e.g. some small cell carcinomas of the lung) causing paraneoplastic syndromes by secreting ACTH. '
Immunogen	Synthetic peptide corresponding to aa1-24 of human ACTH (Uniprot: P01189)

Product Application Details	
Applications	ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Flow Cytometry 1-2 ug/million cells, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin 1-2 ug/ml

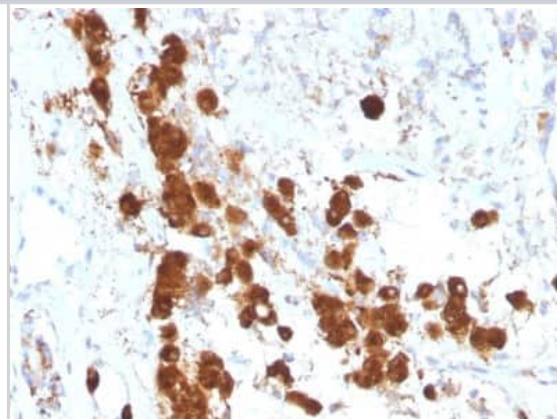


Application Notes

ELISA: For coating, order Ab without BSA.
Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. No special pretreatment is required for staining of formalin-fixed tissues.
Optimal dilution for a specific application should be determined.

Images

Immunohistochemistry-Paraffin: ACTH Antibody (SPM333) [NBP2-32911] - Formalin-fixed, paraffin-embedded human Pituitary stained with ACTH Antibody (SPM333).

**Publications**

Duan S, Sawyer TW, Sontz RA et al. GFAP-directed Inactivation of Men1 Exploits Glial Cell Plasticity in Favor of Neuroendocrine Reprogramming Cellular and molecular gastroenterology and hepatology 2022-07-11 [PMID: 35835391] (IHC-P, Mouse)



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Products Related to NBP2-32911-0.1mg

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
210-TA-005	TNF-alpha [Unconjugated]

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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