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anti-POMC antibody (N-Term)





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Quantity:	100 μg
Target:	POMC
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This POMC antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunofluorescence (IF), Coating (Coat), Staining Methods (StM)

Product Details

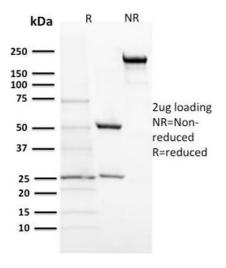
Immunogen:	N-terminal fragment of human ACTH conjugated to KLH	
Clone:	57	
Isotype:	IgG1 kappa	
Specificity:	ACTH (same as Corticotropin) is a 39 amino acid active peptide produced by the anterior pituitary. This MAb is specific to Synacthen (aa1-24 of ACTH), does not react with CLIP (aa17-39 of ACTH). 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-	
	пке ппетнешату рерше), пропортгрета, пропорт дантна, рета-епиогрит ани мет-	

halin. ACTH is also produced by cells of immune system (T-cells, B-cells, and ophages) in response to stimuli associated with stress. Anti-ACTH is a useful marker in fication of pituitary tumors and the study of pituitary disease. It reacts with ACTH-cing cells (corticotrophs). It also may react with other tumors (e.g. some small cell omas of the lung) causing paraneoplastic syndromes by secreting ACTH. '	
ted to onow a broad openies reactivity.	
d by Protein A/G	
d by Protein A/G	
(POMC Products)	
is ~5kDa, and the POMC precursor is ~30kDa. The molecular weight of POMC depends	
soform variation and post-translational modifications.	
9	
olism of Steroid Hormones and Vitamin D, Peptide Hormone Metabolism, Hormone y, Feeding Behaviour	
ve Control: Normal pituitary gland or pituitary tumor. Application: ELISA (For coating, order Ab without BSA), Flow Cytometry (0.5-1 μg/million Immunofluorescence (0.5-1 μg/mL), Immunohistochemistry (Formalin-fixed) (0.5-1.0 μ for 30 minutes at RT) (Staining of formalin-fixed tissues requires boiling tissue sections in Λ Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal n for a specific application should be determined.	
esearch Use only	
g/mL	
10 mM PBS with 0.05 % BSA & 0.05 % azide.	

Handling

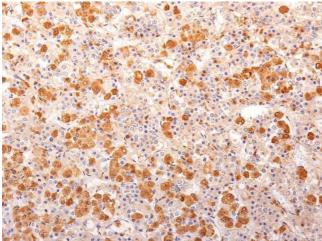
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which		
	should be handled by trained staff only.		
Storage:	4 °C,-80 °C		
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.		
Expiry Date:	24 months		

Images



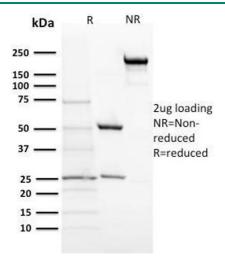
Western Blotting

Image 1. SDS-PAGE Analysis Purified ACTH Mouse Monoclonal Antibody (57). Confirmation of Integrity and Purity of Antibody.



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Pituitary Gland stained with ACTH Monoclonal Antibody (57).



SDS-PAGE

Image 3. SDS-PAGE Analysis Purified ACTH Monoclonal Antibody (57). Confirmation of Integrity and Purity of Antibody.

Please check the product details page for more images. Overall 4 images are available for ABIN6940336.