## antibodies .- online.com







### anti-ACTH antibody (pSer168)



Image



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Target Type:

Quantity:	400 μL
Target:	ACTH
Binding Specificity:	pSer168
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ACTH antibody is un-conjugated
Application:	Dot Blot (DB)
Product Details	
Immunogen:	This ACTH Antibody is generated from rabbits immunized with a KLH conjugated synthetic
	phosphopeptide corresponding to amino acid residues surrounding S168 of human ACTH.
Clone:	RB16586
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.
Target Details	
Target:	ACTH
Alternative Name:	ACTH (ACTH Products)

Hormone

#### Target Details

Background:
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This gene encodes a polypeptide hormone precursor that undergoes extensive, tissue-specific, post-translational processing via cleavage by subtilisin-like enzymes known as prohormone convertases. There are eight potential cleavage sites within the polypeptide precursor and, depending on tissue type and the available convertases, processing may yield as many as ten biologically active peptides involved in diverse cellular functions. The encoded protein is synthesized mainly in corticotroph cells of the anterior pituitary where four cleavage sites are used, adrenocorticotrophin, essential for normal steroidogenesis and the maintenance of normal adrenal weight, and lipotropin beta are the major end products. In other tissues, including the hypothalamus, placenta, and epithelium, all cleavage sites may be used, giving rise to peptides with roles in pain and energy homeostasis, melanocyte stimulation, and immune modulation. These include several distinct melanotropins, lipotropins, and endorphins that are contained within the adrenocorticotrophin and beta-lipotropin peptides. Mutations in this gene have been associated with early onset obesity, adrenal insufficiency, and red hair pigmentation. Alternatively spliced transcript variants encoding the same protein have been described. [provided by RefSeq].

Molecular Weight:	29424	
Gene ID:	5443	
NCBI Accession:	NP_000930, NP_001030333	
UniProt:	P01189	
Pathways:	Metabolism of Steroid Hormones and Vitamin D, Peptide Hormone Metabolism, Hormone	
	Activity	

#### **Application Details**

Application Notes:	DB: 1:500
Restrictions:	For Research Use only

#### Handling

Format:	Liquid	
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.	
Preservative:	Sodium azide	
Precaution of Use:	on of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	

#### Handling

Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months
Images	

# P-Pab NP-Peptide P-Peptide Dot Blot

#### **Dot Blot**

**Image 1.** Dot blot analysis of anti-Phospho-ACTH-p Phospho-specific Pab (ABIN650875 and ABIN2839818) on nitrocellulose membrane. 50 ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.5 µg per ml.