

[Go to Product page](#)

## Datasheet for ABIN1713643 **anti-ACTH antibody (pSer168)**

### Overview

Quantity:	100 µL
Target:	ACTH
Binding Specificity:	pSer168
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ACTH antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunocytochemistry (ICC)

### Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human ACTH around the phosphorylation site of Ser168
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Predicted Reactivity:	Dog
Purification:	Purified by Protein A.

### Target Details

Target:	ACTH
---------	------

## Target Details

Alternative Name:	ACTH ( <a href="#">ACTH Products</a> )
Background:	<p>Synonyms: ACTH phospho S168, p-ACTH phospho S168, ACTH, Adrenocorticotrophic hormone, Adrenocorticotropin, Alpha melanocyte stimulating hormone, alpha-MSH, alphaMSH, Beta LPH, Beta melanocyte stimulating hormone, Beta-endorphin, beta-MSH, CLIP, Corticotropin, Corticotropin lipotropin, Corticotropin-like intermediary peptide, Gamma LPH, gamma-MSH, Lipotropin beta, Lipotropin gamma, Lipotropin, included, LPH, Melanocyte-stimulating hormone, included, Melanotropin alpha, Melanotropin beta, Melanotropin gamma, Melanotropin, included, Met-enkephalin, MSH, NPP, POC, POMC, Pomc-1, Pomc1, Pomc2, Pro ACTH endorphin, Pro opiomelanocortin, Pro-opiomelanocortin-alpha, Proopiomelanocortin, Proopiomelanocortin preproprotein, Tetracosactide.</p> <p>Background: 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, Jul 2008].</p>
Gene ID:	5443
Pathways:	<a href="#">Metabolism of Steroid Hormones and Vitamin D</a> , <a href="#">Peptide Hormone Metabolism</a> , <a href="#">Hormone Activity</a>

## Application Details

Application Notes:	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200

Application Details

	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
	ICC 1:100-500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months