

ACTH Polyclonal Antibody

Rabbit Polyclonal Antibody

Catalog # ABV11761

Product Information

Application	WB, DB
Primary Accession	P01189
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	29424

Additional Information

Gene ID	5443
Positive Control	Dot blot
Application & Usage	Western blot: 1-4 µg/ml, Dot blot: 1-4 µg/ml
Alias Symbol	ACTH
Other Names	Corticotropin-lipotropin, Pro-opiomelanocortin, POMC, ACTH, LPH, MSH, NPP, POC, CLIP, Tetracosactide.
Appearance	Colourless liquid
Formulation	100 µg (0.5 mg/ml) of antibody in PBS pH 7.2, 0.01 % BSA, 0.03 % ProClin® and 50 % glycerol.
Reconstitution & Storage	-20 °C
Background Descriptions	
Precautions	ACTH Polyclonal Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	POMC (HGNC:9201)
Function	Precursor protein of pituitary hormones that are involved in diverse physiological processes, including the regulation of energy balance, stress response, immune function and skin pigmentation. [Met-enkephalin]: Endogenous opiate.
Cellular Location	Secreted {ECO:0000250 UniProtKB:P01193}. Note=Melanocyte-stimulating hormone alpha and beta-endorphin are stored in separate granules in hypothalamic POMC neurons, suggesting that secretion may be under the

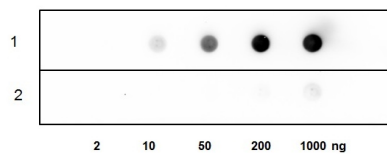
Tissue Location

ACTH and MSH are produced by the pituitary gland.

Background

Adrenocorticotrophic hormone stimulates the adrenal cortex. More specifically, it stimulates secretion of glucocorticoids such as cortisol, and has little control over secretion of aldosterone, the other major steroid hormone from the adrenal cortex. Stimulates secretion of adrenal corticosteroids and induces growth of adrenal cortex. ACTH also called Tetracosactide directly activates G-proteins. A stimulator of adenylate cyclase and cAMP formation, its molecular weight is 2.9335 kDa.

Images



Dot blot analysis of ACTH using anti-ACTH antibody.
Lane1: ACTH; Lane2: BSA

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.