

Datasheet for ABIN7072981

anti-ACTH antibody[Go to Product page](#)**1** Image

Overview

Quantity:	100 µL
Target:	ACTH
Reactivity:	Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ACTH antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	KLH conjugated Synthetic peptide corresponding to Mouse ACTH
Cross-Reactivity:	Rat
Purification:	Affinity purification

Target Details

Target:	ACTH
Alternative Name:	ACTH (ACTH Products)
Background:	Pro-opiomelanocortin (POMC) is a precursor polypeptide with 266 amino acid residues. POMC is synthesized in the pituitary from the 285-amino-acid-long polypeptide precursor pre-pro-opiomelanocortin (pre-POMC), by the removal of a 44-amino-acid-long signal peptide sequence during translation. POMC is cleaved to give rise to multiple peptide hormones (α-MSH, ACTH, β-Endorphin and [Met]enkephalin). Adrenocorticotrophic hormone (ACTH, also adrenocorticotropin,

Target Details

corticotropin) is a polypeptide tropic hormone produced by and secreted by the anterior pituitary gland. It is also used as a medication and diagnostic agent.. ACTH is an important component of the hypothalamic-pituitary-adrenal axis and is often produced in response to biological stress. Its principal effects are increased production and release of cortisol by the cortex of the adrenal gland. ACTH is also related to the circadian rhythm in many organisms.

Molecular Weight: 30 kDa

Gene ID: 18976

NCBI Accession: [NP_001265510](#)

UniProt: [P01193](#)

Pathways: [Metabolism of Steroid Hormones and Vitamin D](#), [Peptide Hormone Metabolism](#), [Hormone Activity](#)

Application Details

Application Notes: WB (M,R) 1:500

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS, pH 7.4, 0.02 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Western Blotting

Image 1. Western blot analysis of ACTH (ABIN7072981) at dilution of 1: 250

