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## anti-ACTH antibody





#### Go to Product page

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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( $\alpha$ -MSH, ACTH, $\beta$ -
	Endorphin and [Met]enkephalin). Adrenocorticotropic 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.

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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

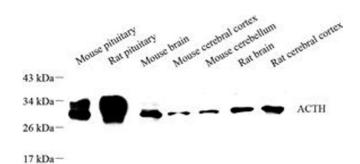
# Application Details

Activity

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