

## ABfinity™ ACTH Recombinant Rabbit Oligoclonal Antibody

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Rev. 1.00

Catalog Number: 710317

Store at 2°C to 8°C (short-term), or -20°C (long-term)

**Clonality:** Oligoclonal  
**Concentration:** 0.5 mg/mL  
**Quantity:** 100 µg  
**Volume:** 200 µL

**Host/Class:** Rabbit IgG  
**Reactivity:** Human ACTH  
**Predicted Reactivity:** Human

### Product Description

ACTH is a hormone secreted by the anterior pituitary in response to corticotropin-releasing hormone from the hypothalamus. The hormone plays a major role in stimulating the adrenal cortex in stimulating the secretion of glucocorticoids (e.g., cortisol). Proopiomelanocortin (POMC) is the polypeptide precursor of ACTH. Proopiomelanocortin is a large protein which fragments into several products including MSH, ACTH, and beta endorphin.

### Product Specifications

**Immunogen:** Peptide corresponding to amino acids 147–172 of human Adrenocorticotrophic Hormone  
**Apparent MW:** ~ 26kDa  
**Gene ID:** 5443  
**Protein Accession No.:** P01189  
**Sequence Identity:** Human  
**Sequence Homology:** Mouse, Rat, Monkey, Rabbit, Swine  
**Clone/PAD:** 12HCLC  
**Lot:** See product label

### Product Applications

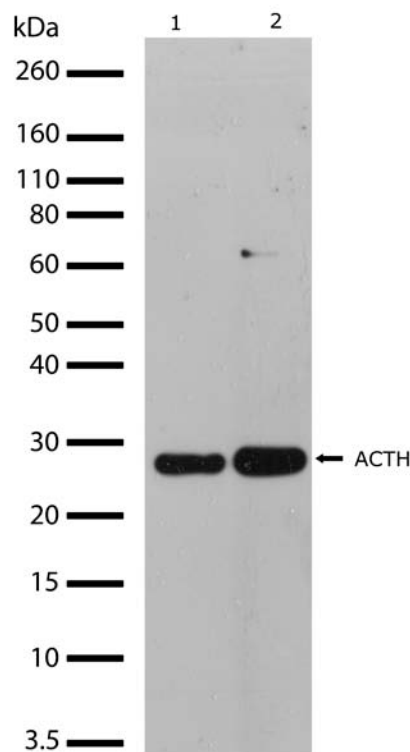
Application	Species	Test Material	Concentration
Western blotting	Mouse	NIH3T3 cells	2–3 µg/mL

### Storage and Handling

Store the antibody at 2°C to 8°C for up to 1 month, -20°C for long-term storage. Avoid repeated freezing and thawing.

### Stability

When stored as instructed, expires one year from date of receipt unless otherwise indicated on product label.



**Figure 1** Western blot analysis of ABfinity™ ACTH Recombinant Rabbit Oligoclonal Antibody (Cat. no. 710317).

Western blot analysis was performed on NIH3T3 whole cell extracts. Endogenous level of ACTH was detected at ~26 kDa using ABfinity™ ACTH Recombinant Rabbit Oligoclonal Antibody at a concentration of 2 µg/mL. The blot was developed using enhanced chemiluminescence (ECL) method.

### Storage Buffer

Phosphate buffered saline (PBS) with 0.09% sodium azide.

**Caution:** Sodium azide is extremely toxic and may react with lead and copper plumbing to form highly explosive metal azides. Properly dispose of solutions containing sodium azide. Read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves. SDSs are available at [www.lifetechnologies.com/support](http://www.lifetechnologies.com/support).

**For research use only. Not for human or animal therapeutic or diagnostic use.**

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




## Product Documentation

To obtain a Certificate of Analysis or SDS, visit [www.lifetechnologies.com/support](http://www.lifetechnologies.com/support).

## Related Products

Product Name	Quantity	Catalog No.
iBlot® Dry Blotting System	1 unit	IB1001
WesternBreeze® Chromogenic Kit Anti-Rabbit	1 kit	WB7105
WesternBreeze® Chemiluminescent Kit, Anti-Rabbit	1 kit	WB7106
Goat anti-mouse (H+L), HRP conj.	1 mg	G21040
Goat anti-rabbit (H+L), HRP conj.	1 mg	G21234
Goat anti-mouse (H+L), AP conj.	1 mg	G21060
Goat anti-rabbit (H+L), AP conj.	1 mg	G21079
Nitrocellulose, 0.2 µm	20/pack	LC2000

### Explanation of symbols

Symbol	Description	Symbol	Description
	Catalogue Number		Batch code
	Research Use Only		<i>In vitro</i> diagnostic medical device
	Use by		Temperature limitation
	Manufacturer		European Community authorised representative
	Without, does not contain		With, contains
	Protect from light		Consult accompanying documents
	Directs the user to consult instructions for use (IFU), accompanying the product.		

## Limited Product Warranty

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