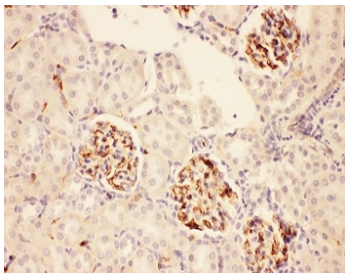
ACTH Antibody (R31470)

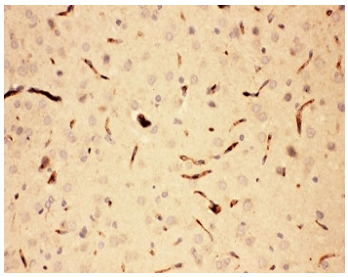
Catalog No.	Formulation	Size
R31470	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

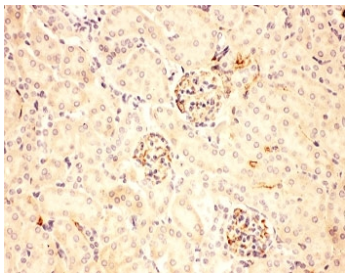
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
Gene ID	5443
Applications	IHC (FFPE) : 0.5-1ug/ml
Limitations	This ACTH antibody is available for research use only.



IHC-P: ACTH antibody testing of rat kidney tissue



IHC-P: ACTH antibody testing of rat brain tissue



IHC-P: ACTH antibody testing of mouse kidney tissue

Description

Adrenocorticotropic hormone (ACTH), also known as Corticotropin, is a polypeptide tropic hormone produced and secreted by the anterior pituitary gland. It is an important component of the hypothalamic-pituitary-adrenal axis and is often produced in response to biological stress (along with its precursor corticotropin-releasing hormone from the hypothalamus). Its principal effects are increased production and release of corticosteroids. ACTH stimulates secretion of glucocorticoid steroid hormones from adrenal cortex cells, especially in the zona fasciculata of the adrenal glands. This gene can influence steroid hormone secretion by both rapid short-term mechanisms that take place within minutes and slower long-term actions. Besides, ACTH also enhances transcription of mitochondrial genes that encode for subunits of mitochondrial oxidative phosphorylation systems.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the ACTH antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the middle region of human Adrenocorticotropic hormone (SYSMEHFRWGKPVGKKRRPVKVYPNGAEDESAEAFPLEF) was used as the immunogen for this ACTH antibody.

Storage

After reconstitution, the ACTH antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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