

# Human pro-opiomelanocortin/ adrenocorticotrophic hormone monoclonal antibody

Catalog PODI-0006

Lot 25280.3

 ImmunoPrecise

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## Product description

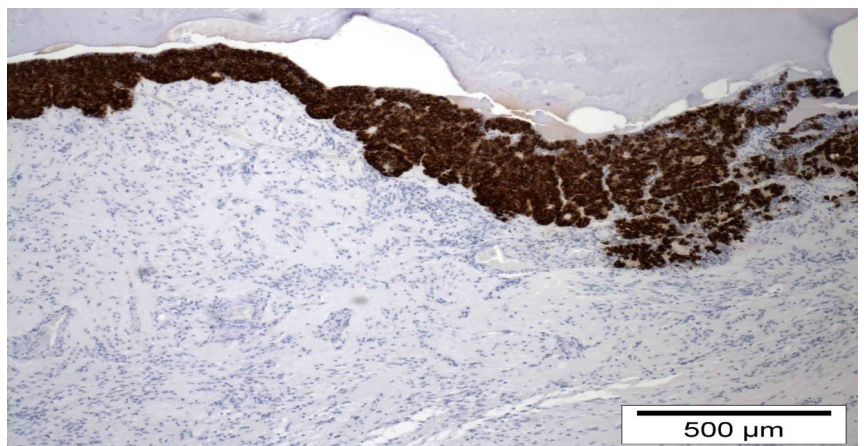
Adrenocorticotrophic hormone (ACTH) is a 39 amino acid peptide that corresponds to amino acids 138-176 in proopiomelanocortin (POMC), a 267 amino acid precursor protein that is proteolytically cleaved into several peptide hormones. ACTH is produced in the adenohypophysis and it exerts its effect by binding to a G-protein coupled receptor on the cell surface. It stimulates secretion of glucocorticoid steroid hormones from adrenal cortex cells

<b>Product type:</b>	Primary antibodies
<b>Clone number:</b>	2F6H11
<b>Immunogen:</b>	Synthetic peptide SYSMEHFRWGKPVGKKRRPVKVYP corresponding to amino acids 1-24 in human ACTH, conjugated to KLH
<b>Reacts with:</b>	Human, Mouse, Rat, Dog, Pig
<b>Tested applications:</b>	ELISA, IHC, IHC-Fr, IHC-P
<b>Purity:</b>	Protein G affinity purified, >95%
<b>Isotype:</b>	IgG1
<b>Light chain type:</b>	Kappa
<b>Storage buffer:</b>	PBS
<b>Form:</b>	Liquid
<b>Concentration:</b>	0.5 mg/ml

## Storage and stability

Store at 4 °C, short term (1-2 weeks).  
For long-term storage, aliquot and keep at or below -20° C. Avoid repeated freeze-thaw cycles

## Data



Localization of ACTH on formalin-fixed, paraffin-embedded dog hypophysis using anti-ACTH clone 2F6H11 and DAB as chromogen.

## References

- Hanson JM, Mol JA, Meij BP. Expression of leukemia inhibitory factor and leukemia inhibitory factor receptor in the canine pituitary gland and corticotrope adenomas. *Domestic Animal Endocrinology* 38, 260-271 (2010).
- Fracassi F, Mandrioli L, Diana A, Hilbe M, Grinwis G, Gandini. Pituitary macroadenoma in a cat with diabetes mellitus, hypercortisolism and neurological signs. *J Vet. Medicine* 54, 359-363 (2007).

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