

Datasheet for ABIN316639
anti-POMC antibody (N-Term)



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Overview

Quantity:	1 mg
Target:	POMC
Binding Specificity:	AA 1-24, N-Term
Reactivity:	Human, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This POMC antibody is un-conjugated
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Synthetic peptide corresponding to the amino acids 1-24 of the Human ACTH conjugated to Keyhole Limpet Haemocyanin. AA Sequence: SYSMEHFRWGKPVGKKRRPVKVYP
Clone:	57 (BGN-1388-66)
Isotype:	IgG1
Specificity:	This ACTH antibody (Clone 57, BGN/1388/66) recognises 1-24 ACTH (Synacthen) which, as a synthetic analogue of naturally-occurring Adrenocorticotrophic Hormone, can be used to measure adrenal reserve and for the diagnosis of adrenal insufficiency by acute adrenocortical stimulation. It does not recognise 17-39 ACTH (CLIP). Cross-reacts with Rat N-terminal ACTH.
Characteristics:	Synonyms: Corticotropin, Adrenocorticotrophic hormone, ACTH
Purification:	Purified IgG prepared by affinity chromatography on Protein A

Target Details

Target:	POMC
Alternative Name:	POMC (POMC Products)
Background:	ACTH, released from the anterior pituitary gland in response to corticotropin-releasing hormone from the hypothalamus, acts on the adrenal cortex to stimulate the production of corticosteroids such as cortisol, involved in the response to stress. Studies have shown that the administration of 1-24 ACTH increases blood pressure, believed to be attributed to an increase in ACTH-stimulated cortisol secretion, in association with increased cardiac output.Synonyms: Adrenocorticotrophic hormone, Corticotropin, POMC
Gene ID:	5443
UniProt:	P01189
Pathways:	Metabolism of Steroid Hormones and Vitamin D , Peptide Hormone Metabolism , Hormone Activity , Feeding Behaviour

Application Details

Application Notes:	ELISA. Immunohistochemistry on Formalin Fixed Paraffin Embedded Sections: 1/100-1/200(Requires protein digestion pre-treatment of paraffin sections e. g. trypsin or pronase). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	PBS, pH 7.2, containing 0.09 % Sodium Azide as preservative.
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:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
Expiry Date:	12 months