



Product datasheet

Anti-ACTH antibody [AH26 + 57] - N-terminal ab199007

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Overview

Product name	Anti-ACTH antibody [AH26 + 57] - N-terminal
Description	Mouse monoclonal [AH26 + 57] to ACTH - N-terminal
Host species	Mouse
Specificity	ab199007 is specific to Synacthen (aa1-24 of ACTH); does not react with CLIP (aa17-39 of ACTH).
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Human
Immunogen	<p>This product was produced with the following immunogens:</p> <p>Synthetic peptide within Human ACTH aa 1 to the C-terminus (N terminal) conjugated to keyhole limpet haemocyanin. The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please contact our Scientific Support team to discuss your requirements. This sequence corresponds to amino acids 138-162 of the precursor POMC. (AH26)</p> <p>Database link: P01189</p> <p>Recombinant fragment (N terminal). (57)</p> <p>Database link: P01189</p> <div>  Run BLAST with  Run BLAST with </div>
Positive control	IHC-P: Human pituitary gland.
General notes	Please note that this antibody is an oligoclonal antibody. It is a cocktail of monoclonal antibodies that have been carefully selected. Oligoclonal antibodies have not only the specificity and batch-to-batch consistency of a monoclonal antibody, but also have the advantage of the sensitivity of a polyclonal antibody due to their ability to recognize multiple epitopes on an antigen.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.05% Sodium azide

	Constituents: 99% PBS, 0.05% BSA
Purity	Protein A/G purified
Clonality	Monoclonal
Clone number	AH26 + 57
Isotype	IgG1
Light chain type	kappa

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab199007 in the following tested applications.

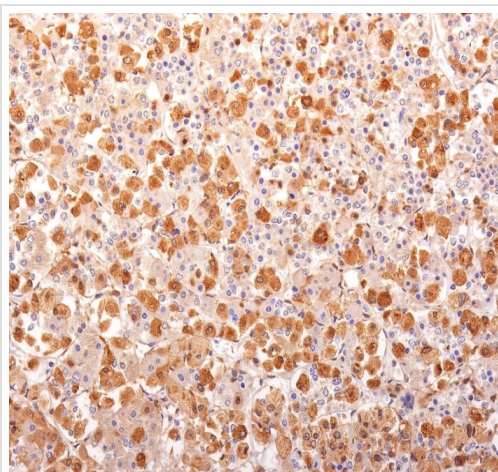
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use a concentration of 1 - 2 µg/ml. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Target

Relevance	ACTH occurs in cells of the anterior pituitary and in neurons in brain. It regulates the corticosteroid production in the adrenal cortex. Beta endorphin and Met enkephalin are endogenous opiates. MSH (melanocyte stimulating hormone) increases the pigmentation of skin by increasing melanin production in melanocytes.
Cellular localization	Secreted

Images



Immunohistochemical analysis of Formalin-fixed, paraffin-embedded human Pituitary Gland labeling ACTH with ab199007 at 2µg/mL (30 minutes at RT) (Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes).

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ACTH antibody [AH26 + 57] - N-terminal (ab199007)

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