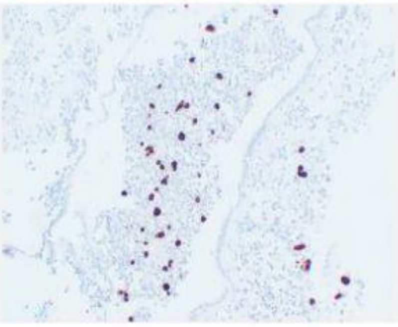
PRODUCT DATA SHEET

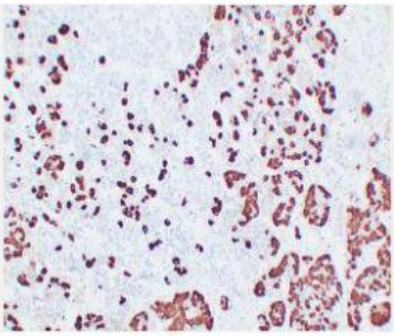
Adrenocorticotropin(ACTH) (ABT-ACTH) mouse mAb

Catalog No.	IML0064
Reactivity	Human; Mouse
Applications	IHC-p
Gene Name	POMC
Protein Name	Pro-opiomelanocortin (POMC) (Corticotropin-lipotropin) [Cleaved into: NPP; Melanotropin gamma (Gamma-MSH); Potential peptide; Corticotropin (Adrenocorticotropic hormone) (ACTH); Melanotropin alpha (Alpha-MSH); Corticotropin-like intermediary peptide (CLIP); Lipotropin beta (Beta-LPH); Lipotropin gamma (Gamma-LPH); Melanotropin beta (Beta-MSH); Beta-endorphin; Met-enkephalin]
Human Gene Id	5443
Swiss-Prot	P01189
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse:IgG1, Kappa
Dilution	IHC-p: 1:100-200
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Concentration	0.23mg:mL
Storage&Stability	-20°C:1 year
Background	This gene encodes a preproprotein that undergoes extensive, tissue-specific, post-translational processing via cleavage by subtilisin-like enzymes known as prohormone convertases. There are eight potential cleavage sites within the preproprotein and, depending on tissue type and the available convertases, processing may yield as many as ten biologically active peptides involved in diverse cellular functions. The encoded protein is synthesized mainly in corticotroph cells of the anterior pituitary where four cleavage sites are used; adrenocorticotrophin, essential for normal steroidogenesis and the maintenance of normal adrenal weight, and lipotropin beta are the major end products. In other tissues, including the hypothalamus, placenta, and epithelium, all cleavage sites may be used, giving rise to peptides with roles in pain and energy homeostasis, melanocyte stimulation, and immune modulation.
Subcellular Location	Cytoplasmic
BiowMW	-

Products Images:



Immunohistochemical analysis of paraffin-embedded Pituitary adenoma. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).



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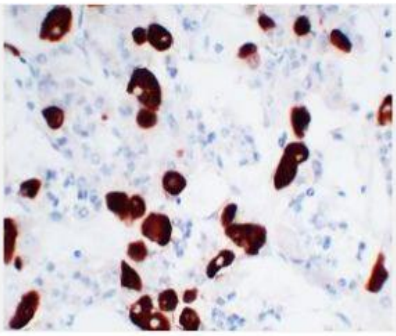

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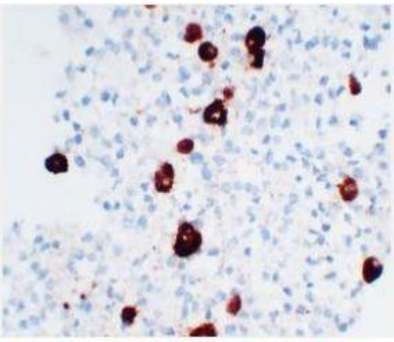

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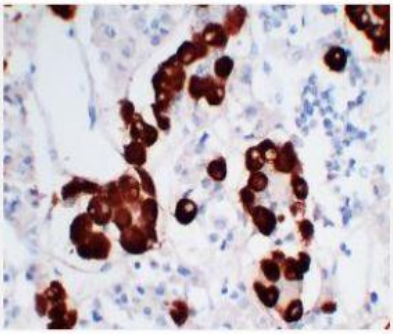

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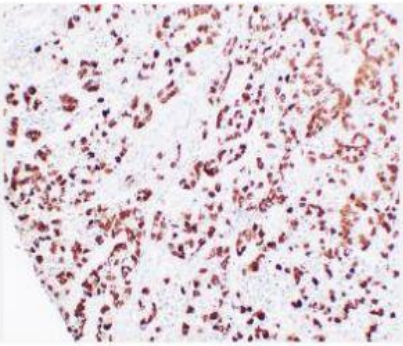

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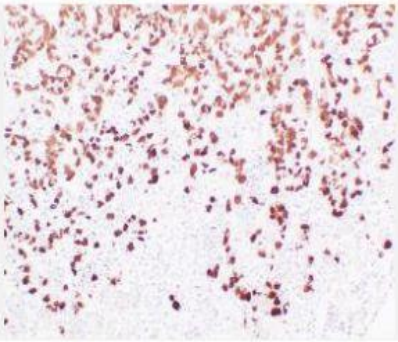

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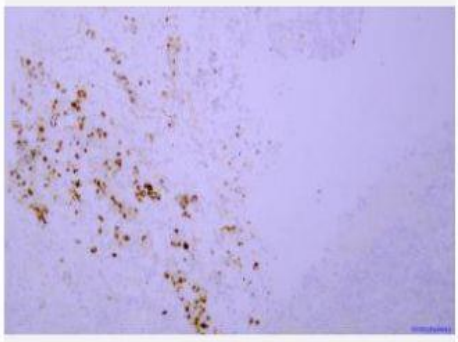

Immunohistochemical analysis of paraffin-embedded human pituitary adenoma Antibody was diluted at 1:200(4° overnight).

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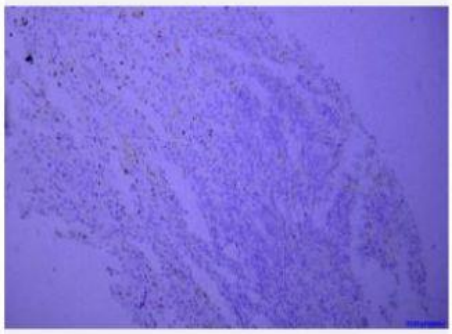
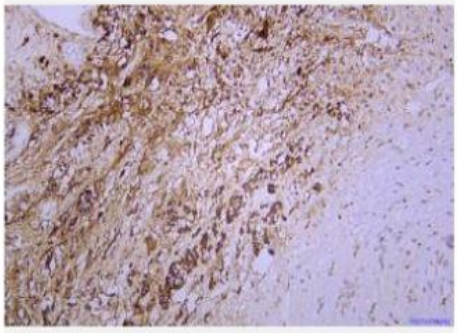


Immunohistochemical analysis of paraffin-embedded human Malignant melanoma Antibody was diluted at 1:200(4° overnight).



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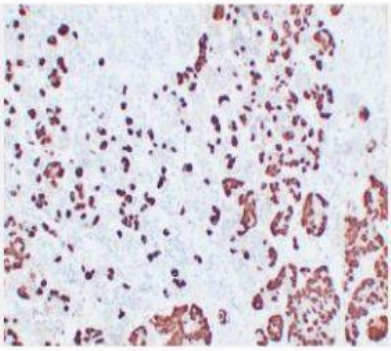
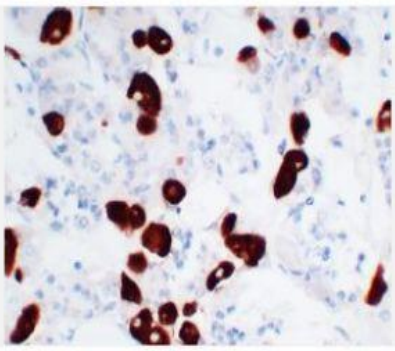


Human pituitary adenoma tissue was stained with anti-ACTH(ABT-ACTH) antibody.



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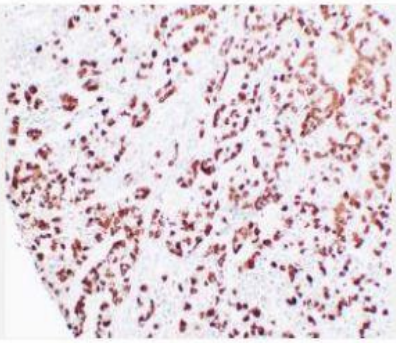

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