2200 Ringwood Ave. San Jose, CA 95131
1 (877) 594-3616 (Toll Free), (408) 747-0185
www.assaybiotechnology.com
tech@assaybiotech.com | order@assaybiotech.com

Adrenocorticotropin (ACTH) (AB1488) mouse mAb

V0001

Key Features

Host Species
• Mouse

Reactivity
• Human;

Applications
• Immunohistochemistry (IHC)

MW
• 29 kDa (calculated)
• kDa (observed)

Isotype
• IgG1, kappa

Recommended Dilution Ratios

Application	Dilution
Immunohistochemistry (IHC)	IHC, 1:200-1:400

Storage

Storage Conditions	Store at-20℃. Avoid freeze / thaw cycles.
Storage buffer	The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% Proclin 300.

Basic Information

Clonality	Monoclonal
Clone Number	AB1488
Immunogen	A synthetic peptide corresponding to the amino acid region 100 - 200 of the human Adrenocorticotropin protein.
Specificity	The antibody can specifically recognize human ACTH protein.
Purification	Affinity purification Protein A
Concentration	Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name	POMC
Protein Name	Adrenocorticotropin

Database Link

Organism	Swiss Prot.	Gene ID
Human	P01189	5443

Background

ACTH is a polypeptide hormone secreted by anterior pituitary cells. ACTH effects adrenal gland to product of cortisol and it also mediates bone formation and osteoblast survival. ACTH antibody is mainly used for functional classification of pituitary tumors and differential diagnosis of primary and metastatic pituitary tumors. Studies have shown that abnormal ACTH products are often related to lung small cell carcinoma, so it can be used to detect the distribution of hormone cells in some neuroendocrine tumors, such as pheochromocytoma and carcinoid.