

Recombinant

DGRmAb®

## POMC (DGR20004) Rabbit mAb

db12826

Package : 10µL 20µL 50µL 100µL

**Product Name** : POMC (DGR20004) Rabbit mAb**Cat.No.:** db12826**Synonyms** : LPH; MSH; NPP; POC; ACTH; CLIP; OBAIRH**Application** : WB, IHC-P, ICC/IF**Reactivity** : Human, Mouse, Rat**Host species** : Rabbit**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. These include several distinct melanotropins, lipotropins, and endorphins that are contained within the adrenocorticotrophin and beta-lipotropin peptides. The antimicrobial melanotropin alpha peptide exhibits antibacterial and antifungal activity. Mutations in this gene have been associated with early onset obesity, adrenal insufficiency, and red hair pigmentation. Alternatively spliced transcript variants encoding the same protein have been described. [provided by RefSeq, Jan 2016]

**Immunogen**

Recombinant protein of human POMC

**Gene ID**

5443

**Swiss Prot**

P01189

**Synonyms**

LPH; MSH; NPP; POC; ACTH; CLIP; OBAIRH

**Reactivity**

Human, Mouse, Rat

**Application**

WB, IHC-P, ICC/IF

**Recommended dilution**

WB: 1:1000

IHC-P: 1:500-1:2000

ICC/IF: 1:100

Calculated MW	29 kDa
Observed MW	29 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR20004
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.