



Anti-MC3R (aa 1-74) polyclonal antibody (DPAB-DC1900)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a G-protein-coupled receptor for melanocyte-stimulating hormone and adrenocorticotrophic hormone that is expressed in tissues other than the adrenal cortex and melanocytes. This gene maps to the same region as the locus for benign neonatal epilepsy. Mice deficient for this gene have increased fat mass despite decreased food intake, suggesting a role for this gene product in the regulation of energy homeostasis. Mutations in this gene are associated with a susceptibility to obesity in humans.
Immunogen	MC3R (NP_063941, 1 a.a. ~ 74 a.a) partial recombinant protein with GST tag. The sequence is MSIQKTYLEGDFVFPVSSSSFLRTLLEPQLGSALLTAMNASCLPSVQPTLPNGSEHLQA PFFSNQSSSAFCEQ
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	MC3R melanocortin 3 receptor [Homo sapiens (human)]
Official Symbol	MC3R
Synonyms	MC3R; melanocortin 3 receptor; MC3; OB20; OQTL; BMIQ9; MC3-R; melanocortin receptor 3; obesity quantitative trait locus;
Entrez Gene ID	4159
Protein Refseq	NP_063941
UniProt ID	P41968
Chromosome Location	20q13.2-q13.3
Pathway	Class A/1 (Rhodopsin-like receptors); GPCR downstream signaling; GPCRs, Class A Rhodopsin-like; Neuroactive ligand-receptor interaction
Function	melanocortin receptor activity; melanocyte-stimulating hormone receptor activity; neuropeptide binding; peptide hormone binding