

Rabbit anti-Zebrafish mc4r Polyclonal Antibody | anti-mc4r antibody

(DANRE) mc4r Antibody (N-Term)

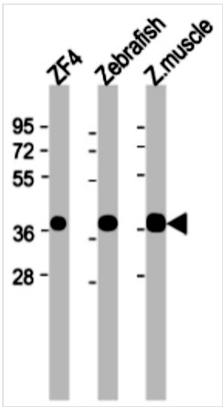
CATALOG # AAA287798	HOST Rabbit	REACTIVITY Zebrafish	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

mc4r; Polyclonal Antibody; (DANRE) mc4r Antibody (N-Term); Melanocortin receptor 4; MC4-R; anti-mc4r antibody

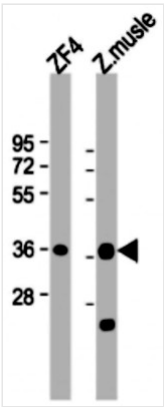
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Zebrafish
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	This DANRE mc4r antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 25-57 amino acids from the human region of DANRE mc4r.
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Length	326
Applicable Applications for anti-mc4r antibody	ELISA, WB (Western Blot)
Cellular Location	Cell membrane; Multi-pass membrane protein.
Antigen Region	25-57
Function	Receptor specific to the heptapeptide core common to adrenocorticotrophic hormone and alpha-, beta-, and gamma-MSH. Plays a central role in energy homeostasis and somatic growth. This receptor is mediated by G proteins that stimulate adenylate cyclase (cAMP)
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



WB (Western Blot)

All lanes : Anti-(DANRE) mc4r Antibody (N-Term) at 1:2000 dilution
Lane 1: ZF4 whole cell lysate
Lane 2: Zebrafish whole cell lysate
Lane 3: Z. muscle whole cell lysate
Lysates/proteins at 20 ug per lane.
Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 36 kDa
Blocking/Dilution buffer: 5% NFDm/TBST



WB (Western Blot)

All lanes : Anti-(DANRE) mc4r Antibody (N-Term) at 1:1000 dilution
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ADDITIONAL INFORMATION

References	Ringholm A.,et al.J. Neurochem. 82:6-18(2002). Logan D.W.,et al.Genomics 81:184-191(2003). Howe K.,et al.Nature 496:498-503(2013). Sebag J.A.,et al.Science 341:278-281(2013).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	27545307
NCBI GeneID	286833
NCBI Accession #	NP_775385.1
NCBI GenBank Nucleotide #	NM_173278.1
UniProt Accession #	B0V1P1; Q8JGW3
Molecular Weight	36435
NCBI Official Full Name	melanocortin receptor 4
NCBI Official Synonym Full Names	melanocortin 4 receptor
NCBI Official Symbol	mc4r
NCBI Official Synonym Symbols	zMC4; MC4-R; si:dkey-151m6.62
NCBI Protein Information	melanocortin receptor 4
UniProt Protein Name	Melanocortin receptor 4
UniProt Gene Name	mc4r
UniProt Synonym Gene Names	MC4-R
UniProt Entry Name	MC4R_DANRE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.