

Product datasheet for **AP01272PU-N**

MC1 Receptor (MC1R) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IF, WB
Recommended Dilution:	Western Blot: 1/500-1/1000. Immunofluorescence: 1/50-1/200.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 300-350 of Human MC1-R.
Specificity:	This antibody detects endogenous levels of MC1-R protein (region surrounding Val312).
Formulation:	PBS, pH~7.2 with 50% Glycerol State: Aff - Purified State: Liquid purified Ig fraction (>95% pure by SDS-PAGE) Preservative: 0.05% Sodium Azide
Concentration:	1.0 mg/ml
Purification:	Affinity Chromatography using epitope-specific immunogen
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~35 kDa
Gene Name:	melanocortin 1 receptor
Database Link:	Entrez Gene 4157 Human Q01726



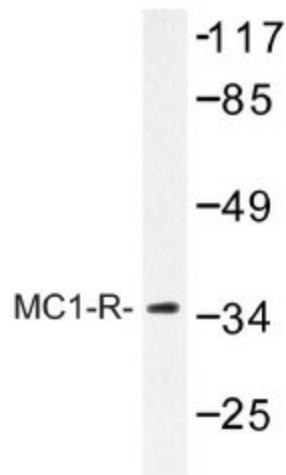
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Background:

The melanocortin family comprises the alpha-, beta- and gamma-melanocyte stimulating hormones (MSH) and adrenocorticotrophin. The receptors for these hormones are seven-transmembrane G protein-coupled proteins that activate adenylyl cyclase. Five melanocortin receptors have been cloned and shown to exhibit different affinities and patterns of expression. MC1-R (MSH-R) is expressed in melanocytes and corticoadrenal tissue. MC2-R is the ACTH receptor and is expressed primarily in the adrenal cortex. MC3-R has been found in specific regions of the brain and is also expressed in placenta and gut. MC4-R is expressed primarily in brain, while MC5-R is expressed at low levels in most tissues.

Synonyms:

Melanotropin receptor, Melanocortin receptor 1, MC1R, MSHR, MSH-R

Product images:

Western blot analysis of MC1-R Antibody in extracts from COLO205 cells.