

Goat anti-MC5R Antibody

Item Number	dAP-1721
Target Molecule	Principle Name: MC5R; Official Symbol: MC5R; All Names and Symbols: MC5R N: melanocortin 5 receptor ; Accession Number (s): NP_005904.1; Human Gene ID(s): 4161; Non-Human GeneID(s): 17203 (mouse)
Immunogen	PNVKNKSSPCED, is from N Terminus (near)
Applications	Pep ELISA, WB, IHC Species Tested: Human, Mouse
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	Lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 8000.
Western Blot	Western Blot: Approx. 37kDa band observed in Mouse Skeletal Muscle lysates (calculated MW of 36.6kDa according to NP_005904.1). Recommended concentration: 0.3-1µg/ml. Primary incubation was 1 hour. An additional band of unknown identity was also present
IHC	Immunohistochemistry: Paraffin embedded Human Brain (Cortex). Recommended concentration: 2.5µg/ml.
Reference	Reference(s): Grieco P, Cai M, Han G, Trivedi D, Campiglia P, Novellino E, Hruby VJ. Further structure-activity studies of lactam derivatives of MT-II and SHU-9119: their activity and selectivity at human melanocortin receptors 3, 4, and 5. Peptides. 2007 Jun;28(6):1191-6. Epub 2007 Mar 1.. PMID: 17482720 ->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**