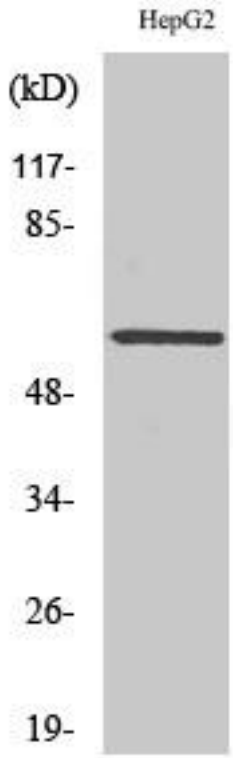
AR α 2C Monoclonal Antibody

Catalog No	YP-mAb-13144
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	ADRA2C
Protein Name	Alpha-2C adrenergic receptor
Immunogen	The antiserum was produced against synthesized peptide derived from human Adrenergic Receptor alpha-2C. AA range:336-385
Specificity	AR α 2C Monoclonal Antibody detects endogenous levels of AR α 2C protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ADRA2C; ADRA2L2; ADRA2RL2; Alpha-2C adrenergic receptor; Alpha-2 adrenergic receptor subtype C4; Alpha-2C adrenoreceptor; Alpha-2C adrenoceptor; Alpha-2CAR
Observed Band	70kD
Cell Pathway	Cell membrane; Multi-pass membrane protein.
Tissue Specificity	Brain,Donated clones,Kidney,
Function	function:Alpha-2 adrenergic receptors mediate the catecholamine-induced inhibition of adenylate cyclase through the action of G proteins.,polymorphism:The Del322-325 variant has a significant loss of function. It is approximately 10 times more frequent in African-Americans compared with Caucasians (allele frequencies 0.381 versus 0.040).,similarity:Belongs to the G-protein coupled receptor 1 family.,
Background	Alpha-2-adrenergic receptors are members of the G protein-coupled receptor superfamily. They include 3 highly homologous subtypes: alpha2A, alpha2B, and alpha2C. These receptors have a critical role in regulating neurotransmitter release from sympathetic nerves and from adrenergic neurons in the central nervous system. The mouse studies revealed that both the alpha2A and alpha2C subtypes were required for normal presynaptic control of transmitter release from

	sympathetic nerves in the heart and from central noradrenergic neurons. The alpha2A subtype inhibited transmitter release at high stimulation frequencies, whereas the alpha2C subtype modulated neurotransmission at lower levels of nerve activity. This gene encodes the alpha2C subtype, which contains no introns in either its coding or untranslated sequences. [provided by RefSeq, Jul 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using AR α 2C Monoclonal Antibody