

Anti-ADCYAP1R1 (ECD domain) Neutralizing Antibody (V3S-0522-YC413)

Cat. No.: V3S-0522-YC413

Summary

Description	This product is a monoclonal antibody derived from Human (<i>Homo sapiens</i>), which can specifically recognize ADCYAP receptor type I. The antibody is expressed with mammalian cell transient expression system, serum-free and purified by affinity chromatography. The purity and integrity are tested via SDS-PAGE and SEC-HPLC analysis. Given an antigen, additional QC measures are also desired such as affinity testing and binding validation. Specifically, the antibody is provided in multiple formats for in vivo and in vitro assays. The <i>In vivo</i> version features greater than 95% purity, ultra-low endotoxin levels (<1 EU/mg or 0.1 EU/mg), and is preservative, stabilizer, and carrier protein-free.
Clonality	Monoclonal
Host Species	Human
Target Species	Human, Monkey
Immunogen	PAC1 extracellular domain protein
Epitope	Within the ECD domain.
Isotype	IgG1, κ
Isotype Control	C67002
Secondary Antibody	C32400; C75370; C10513; C51635; C45530; C61612; C23324; C61612

Property

Expression Species	HEK293F or CHO
Conjugation	None
Purity	>95%, determined by SDS-PAGE and/or SEC-HPLC
Endotoxin	<1 EU/mg, determined by LAL method
Purification	Protein A affinity purified
Sterility	0.2 μ M filtered
Formulation	PBS, pH 7.4
Preservation	No preservatives
Stabilizer	No stabilizers
Storage	Store at 4°C within a week. For longer storage, aliquot and store at -20°C.

For lab research use only, not for diagnostic, therapeutic or any *in vivo* human use.

Applications

Application	ELISA; Block
Application Notes	The antibody is recommended for detection of ADCYAP1R1 by ELISA, Block assays.

Target

Target	ADCYAP1R1
Alternative Name	PAC1; PAC1R; PACAPR; PACAPRI
Gene ID	117
UniProt	P41586
Introduction	This gene encodes type I adenylate cyclase activating polypeptide receptor, which is a membrane-associated protein and shares significant homology with members of the glucagon/secretin receptor family. This receptor mediates diverse biological actions of adenylate cyclase activating polypeptide 1 and is positively coupled to adenylate cyclase.
Research Area	Neuroscience
Related Disease	Headache disorders

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