ARG44456
anti-PCDHB14 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PCDHB14
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PCDHB14
Species	Human
Immunogen	Human PCDHB14 recombinant protein
Conjugation	Un-conjugated
Alternate Names	PCDHB14; Protocadherin Beta 14; PCDH-BETA14; Protocadherin Beta-14; PCDH-Beta-14

Application Instructions

Application table

Application	Dilution
FACS	1-3 µg/1x10^6
IHC-P	2-5 µg/ml
WB	0.25-0.5 µg/ml

Application Note: The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

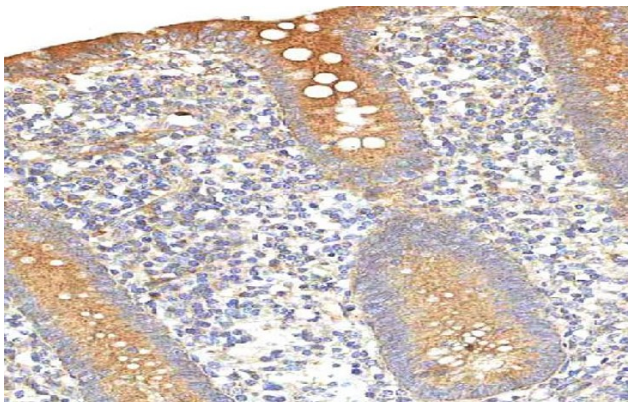
Properties

Form	Liquid
Purification	Affinity purified with Immunogen.
Buffer	0.9% NaCl, 0.2% Na2HPO4, 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

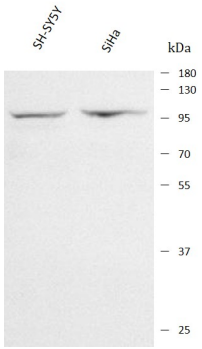
Gene Symbol	PCDHB14
Gene Full Name	Protocadherin Beta 14
Background	This gene is a member of the protocadherin beta gene cluster, one of three related gene clusters tandemly linked on chromosome five. The gene clusters demonstrate an unusual genomic organization similar to that of B-cell and T-cell receptor gene clusters. The beta cluster contains 16 genes and 3 pseudogenes, each encoding 6 extracellular cadherin domains and a cytoplasmic tail that deviates from others in the cadherin superfamily. The extracellular domains interact in a homophilic manner to specify differential cell-cell connections. Unlike the alpha and gamma clusters, the transcripts from these genes are made up of only one large exon, not sharing common 3' exons as expected. These neural cadherin-like cell adhesion proteins are integral plasma membrane proteins. Their specific functions are unknown but they most likely play a critical role in the establishment and function of specific cell-cell neural connections.
Function	Potential calcium-dependent cell-adhesion protein. May be involved in the establishment and maintenance of specific neuronal connections in the brain.
Calculated Mw	88 kDa
PTM	Disulfide bond, Glycoprotein
Cellular Localization	Cell membrane, Membrane

Images



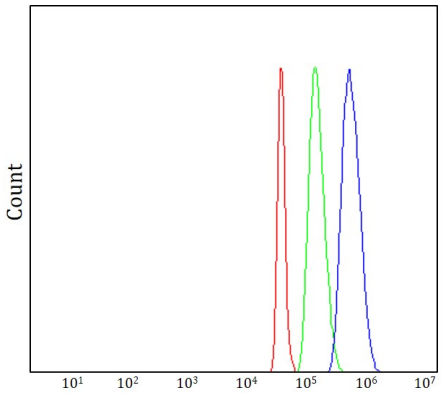
ARG44456 anti-PCDHB14 antibody IHC-P image

Immunohistochemistry: Human appendiceal carcinoid stained with ARG44456 anti-PCDHB14 antibody at 2 µg/mL dilution.



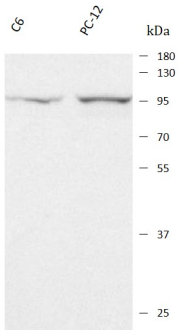
ARG44456 anti-PCDHB14 antibody WB image

Western blot: SH-SY5Y and SiHa stained with ARG44456 anti-PCDHB14 antibody at 0.5 µg/mL dilution.



ARG44456 anti-PCDHB14 antibody FACS image

Flow Cytometry: SH-SY5Y stained with ARG44456 anti-PCDHB14 antibody at 1 µg/10^6 cells dilution.



ARG44456 anti-PCDHB14 antibody WB image

Western blot: C6 and PC-12 stained with ARG44456 anti-PCDHB14 antibody at 0.5 µg/mL dilution.

ARG44456 anti-PCDHB14 antibody WB image

Western blot: ANA-1 stained with ARG44456 anti-PCDHB14 antibody at 0.5 µg/mL dilution.