



Rabbit Anti-ADAM10 monoclonal antibody, clone KN43-22 (CABT-L931)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	ADAM10
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	KN43-22
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, IP
Cellular Localization	Cell membrane. Endomembrane system.
Positive Control	Jurkat, Hela.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide
Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw

BACKGROUND

Introduction

ADAM (a disintegrin and metalloprotease) proteins are a family of over 30 membrane-anchored, glycosylated, Zn²⁺ dependent proteases that are involved in cell-cell, cell-matrix interface related processes including fertilization, muscle fusion, secretion of TNF α (tumor necrosis factor α), and modulation of the neurogenic function of Notch and Delta. ADAM proteins possess a signal-domain, a pro-domain, a metalloprotease domain, a disintegrin domain (integrin ligand) a cysteine-rich region, an epidermal growth factor-like domain, a transmembrane domain and a cytoplasmic tail. ADAMs are expressed in brain, testis, epididymis, ovary, breast, placenta, liver, heart, lung, bone and muscle, and catalyze proteolysis, adhesion, fusion and intracellular signaling. ADAM10 is a TNF-processing enzyme that cleaves pro-TNF, a membrane-bound precursor protein, at Ala 76-Val 77, which causes membrane shedding of soluble TNF.

Keywords

A disintegrin and metalloprotease domain 10;A disintegrin and metalloproteinase domain 10;AD 10;AD10;AD18;ADA10_HUMAN;ADAM 10;ADAM metalloproteinase domain 10;ADAM10;CD 156c;CD156c;CD156c antigen;CDw156;disintegrin and metalloproteinase domain containing protein 10;Disintegrin and metalloproteinase domain-containing protein 10;HsT 18717;HsT18717;Kuz;Kuzbanian;Kuzbanian protein homolog;Kuzbanian, Drosophila, homolog of;MADM;Mammalian disintegrin metalloprotease;Mammalian disintegrin-metalloprotease;RAK antibody

GENE INFORMATION

Entrez Gene ID

[8915](#)