



Rabbit Anti-Human Activin A monoclonal antibody, clone 32I26M8 (CABT-L1179)

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

PRODUCT INFORMATION

Target	Activin
Immunogen	Peptides corresponding to Human INHBA (aa 262-279, 407-423)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	32I26M8
Purification	Protein A Purified
Conjugate	Unconjugated
Applications	FC, ICC, IF,
Format	Liquid
Concentration	0.5 mg/ml
Buffer	PBS, pH 7.2
Preservative	0.09% Sodium Azide
Storage	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

BACKGROUND

Introduction

Activins are dimeric growth and differentiation factors which belong to the transforming growth factor-beta (TGF-beta) superfamily of structurally related signaling proteins. Activins signal through a heteromeric complex of receptor serine kinases which include at least two type I (I and IB) and two type II (II and IIB) receptors. These receptors are all transmembrane proteins, composed of a ligand-binding extracellular domain with cysteine-rich region, a transmembrane domain, and a cytoplasmic domain with predicted serine/threonine specificity. Type I receptors are essential for signaling; and type II receptors are required for binding ligands and for expression of type I receptors. Type I and II receptors form a stable complex after ligand binding, resulting in phosphorylation of type I receptors by type II receptors. Activin A mutations are associated with fibrodysplasia ossificans progressive.

Keywords

Activin A;Activin AB alpha polypeptide;Activin AB;Activin AB beta polypeptide;Activin B;Activin beta A chain;Activin beta B chain;ActivinA;ActivinAB;ActivinB;ACV-A;ACVA