



Rabbit Anti-Human WNT4 monoclonal antibody, clone 0I3M20 (CABT-L1660)

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

PRODUCT INFORMATION

Specificity	This antibody is predicted to react with Monkey, Pig, Rat and Mouse.
Target	WNT4
Immunogen	Multiple peptides corresponding to Human Wnt4 (aa 58-71; 235-253; 258-269)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	0I3M20
Purification	Protein A Purified
Conjugate	Unconjugated
Applications	ICC, IF, WB
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

The WNT gene family consists of structurally related genes which encode secreted signaling proteins. These proteins have been implicated in oncogenesis and in several developmental processes, including regulation of cell fate and patterning during embryogenesis. This gene is a member of the WNT gene family, and is the first signaling molecule shown to influence the sex-determination cascade. It encodes a protein which shows 98% amino acid identity to the Wnt4 protein of mouse and rat. This gene and a nuclear receptor known to antagonize the testis-determining factor play a concerted role in both the control of female development and the prevention of testes formation. This gene and another two family members, WNT2 and WNT7B, may be associated with abnormal proliferation in breast tissue. Mutations in this gene can result in Rokitansky-Kuster-Hauser syndrome and in SERKAL syndrome.

Keywords

WNT4;wingless-type MMTV integration site family, member 4;WNT-4;SERKAL;protein Wnt-4

GENE INFORMATION

Entrez Gene ID

[54361](#)

UniProt ID

[P56705](#)
