

ITPR2 Antibody

Catalog No: #37666

Package Size: #37666 100ul

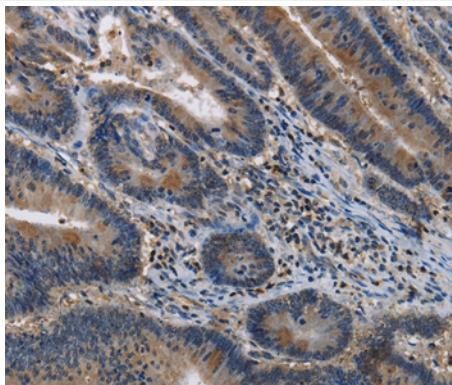
Description

Product Name	ITPR2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total ITPR2 protein.
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to a region derived from internal residues of human inositol 1,4,5-trisphosphate receptor, type 2
Conjugates	Unconjugated
Target Name	ITPR2
Other Names	IP3R2
Accession No.	Swiss-Prot#: Q14571NCBI Gene ID: 3709Gene Accssion: NP_002214
Concentration	2.6mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Storage	Store at -20°C

Application Details

Immunohistochemistry: 1:50-1:200

Images



Immunohistochemical analysis of paraffin-embedded Human colon cancer tissue using #37666 at dilution 1/40.

Background

Inositol 1,4,5-trisphosphate (IP₃) functions as a second messenger for a myriad of extracellular stimuli including hormones, growth factors and neurotransmitters. Receptor tyrosine kinases indirectly increase the intracellular levels of IP₃ through the activation of phospholipases such as

phospholipase C (PLC), which convert phosphatidylinositol-4,5 bisphosphate into IP3 and diacylglycerol (DAG). The inositol 1,4,5-triphosphate receptor, IP3R, acts as an inositol triphosphate (IP3)-gated calcium release channel in a variety of cell types. Three IP3 receptor subtypes have been described and are designated IP3R-I, IP3R-II and IP3R-III. IP3R-I is the predominant IP3R subtype expressed in neuronal tissues and the central nervous system, but is also expressed at high levels in the liver.

Published Papers

Chen Yijiao;Ding Chen;He Fuchu;Qin Zhaoyu;Ren Li;Wei Ye;Xu Jianmin;Yue Xuetong;Zhou Pengyang;Zhu Dexiang;Zhuang Aobo;Zhuang Aojia et al., Proteomic characteristics reveal the signatures and the risks of T1 colorectal cancer metastasis to lymph nodes, , (2023)

[PMID:37158593](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.