ITPR3 Conjugated Antibody

Catalog No: #C37667

Package Size: #C37667-AF350 100ul #C37667-AF405 100ul #C37667-AF488 100ul #C37667-AF555 100ul #C37667-AF594 100ul #C37667-AF647 100ul #C37667-AF680 100ul #C37667-AF750 100ul #C37667-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	ITPR3 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total ITPR3 protein.
Immunogen Description	Synthetic peptide corresponding to a region derived from internal residues of human inositol 1,4,5-trisphosphate receptor, type 3
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	IP3R; IP3R3
Accession No.	Swiss-Prot#:Q14573NCBI Gene ID:3710NCBI Protein#:NP_002214
Uniprot	Q14573
GeneID	3710;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

This gene encodes a receptor for inositol 1,4,5-trisphosphate, a second messenger that mediates the release of intracellular calcium. The receptor contains a calcium channel at the C-terminus and the ligand-binding site at the N-terminus. Knockout studies in mice suggest that type 2 and type 3 inositol 1,4,5-trisphosphate receptors play a key role in exocrine secretion underlying energy metabolism and growth.

Note: This product is for in vitro research use only