PTRH2 Conjugated Antibody

Catalog No: #C42725

Package Size: #C42725-AF350 100ul #C42725-AF405 100ul #C42725-AF488 100ul #C42725-AF555 100ul #C42725-AF594 100ul #C42725-AF647 100ul #C42725-AF680 100ul #C42725-AF750 100ul #C42725-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	PTRH2 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total PTRH2 protein.
Immunogen Description	Fusion protein of human PTRH2
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	BIT1; PTH2; CFAP37; CGI-147
Accession No.	Swiss-Prot#:Q9Y3E5NCBI Gene ID:51651NCBI mRNA#:BC006807NCBI Protein#:
Uniprot	Q9Y3E5
GeneID	51651;
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
Calculated MW	19KD
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°Cin 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

PTRH2 (peptidyl-tRNA hydrolase 2), also known as BIT1 (Bcl-2 inhibitor of transcription 1), is a 179 amino acid mitochondrial protein. During apoptosis, PTRH2 is released from the mitochondia to the cytoplasm. Once in the cytoplasm, PTRH2 regulates the function of two transcriptional regulators, TLE5 and TLE1, thereby promoting caspase-independent cell death. It is also believed that the natural substrate for PTRH2 may be petidyl-tRNAs, which leave the ribosomes during protein synthesis.?

Note: This product is for in vitro research use only