PDIA6 Conjugated Antibody

Catalog No: #C49340

Package Size: #C49340-AF350 100ul #C49340-AF405 100ul #C49340-AF488 100ul #C49340-AF555 100ul #C49340-AF594 100ul #C49340-AF647 100ul #C49340-AF680 100ul #C49340-AF750 100ul #C49340-Biotin 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	PDIA6 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	Endoplasmic reticulum protein 5 antibody ER protein 5 antibody ERp5 antibody P5 antibody Pdia6 antibody PDIA6_HUMAN antibody Protein disulfide isomerase A6 antibody Protein disulfide isomerase associated 6 antibody Protein disulfide isomerase family A member 6 antibody Protein disulfide isomerase P5 antibody Protein disulfide isomerase related protein antibody Protein disulfide-isomerase A6 antibody Thioredoxin domain containing 7 (protein disulfide isomerase) antibody Thioredoxin domain containing protein 7 antibody Thioredoxin domain-containing protein 7 antibody TXNDC7 antibody
Accession No.	Swiss-Prot#:Q15084
Uniprot	Q15084
GeneID	10130;
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	48 kDa
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

Endoplasmic reticulum proteins (ERps) are widely expressed proteins that localize to the ER and may act as proteases, protein disulfide isomerases, thiol-disulfide oxidases or phospholipases. ERp5, also known as PDIA6 (protein disulfide isomerase family A, member 6) or TXNDC7 is a 440 amino acid protein that contains two thioredoxin domains and belongs to the protein disulfide isomerase family. Localized to the melanosome, as well as to the lumen of the endoplasmic reticulum, ERp5 functions to catalyze the rearrangement of disulfide bonds in a variety of different proteins. Via its catalytic activity, ERp5 is able to reduce the disulfide bond that binds MICA to tumor cells, thereby releasing MICA and reducing the rate of tumor expansion. Multiple isoforms of ERp5 exist due to alternative splicing events.

Note: This product is for in vitro research use only