

## ZPLD1 Conjugated Antibody

Catalog No: #C43971



Package Size: #C43971-AF350 100ul #C43971-AF405 100ul #C43971-AF488 100ul  
 #C43971-AF555 100ul #C43971-AF594 100ul #C43971-AF647 100ul  
 #C43971-AF680 100ul #C43971-AF750 100ul #C43971-Biotin 100ul

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## Description

Product Name	ZPLD1 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of total ZPLD1 protein.
Immunogen Description	Synthetic peptide of human ZPLD1
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Accession No.	Swiss-Prot#:Q8TCW7NCBI Gene ID:131368NCBI mRNA#:NCBI Protein#:NP_778226
Uniprot	Q8TCW7
GeneID	131368;
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	46
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

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Many proteins containing ZP (zona pellucida) domains play fundamental roles in development, immunity, hearing and cancer. These domains are located near the carboxy-terminus of the polypeptide and typically consist of approximately 260 amino acids. ZP domain-containing proteins are often glycosylated and are usually present in filaments or matrices and therefore are thought to be involved in protein polymerization. ZPLD1 (Zona pellucida-like domain-containing protein 1) is a 415 amino acid single-pass transmembrane protein that contains one ZP domain. The gene encoding ZPLD1 maps to human chromosome 3, which is made up of about 214 million bases encoding over 1,100 genes, including a chemokine receptor (CKR) gene cluster and a variety of human cancer-related gene loci. There are two isoforms of ZPLD1 that are produced as a result of alternative splicing events.

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Note: This product is for in vitro research use only