

Stella Conjugated Antibody

Catalog No: #C48150



Package Size: #C48150-AF350 100ul #C48150-AF405 100ul #C48150-AF488 100ul
 #C48150-AF555 100ul #C48150-AF594 100ul #C48150-AF647 100ul
 #C48150-AF680 100ul #C48150-AF750 100ul #C48150-Biotin 100ul

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Description

Product Name	Stella Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu,Ms
Immunogen Description	peptide
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	Compaction associated protein 1 antibody Developmental pluripotency associated 3 antibody Developmental pluripotency associated protein 3 antibody Developmental pluripotency-associated protein 3 antibody Dppa3 antibody DPPA3_HUMAN antibody PGC7 antibody Stella related protein antibody Stella-related protein antibody
Accession No.	Swiss-Prot#:Q6W0C5
Uniprot	Q6W0C5
GeneID	359787;
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	17kDa
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

Stella is a primordial germ cell (PGCs)-specific protein involved in epigenetic chromatin reprogramming in the zygote following fertilization. It participates in protection of DNA methylation in the maternal pronucleus by preventing conversion of 5mC to 5hmC: specifically recognizes and binds histone H3 dimethylated at 'Lys-9' (H3K9me2) on maternal genome, and protects maternal genome from TET3-mediated conversion to 5hmC and subsequent DNA demethylation. It is important for the totipotent/pluripotent states continuing through preimplantation development.

Note: This product is for in vitro research use only