

NANOS1 Conjugated Antibody

Catalog No: #C43311



Package Size: #C43311-AF350 100ul #C43311-AF405 100ul #C43311-AF488 100ul
 #C43311-AF555 100ul #C43311-AF594 100ul #C43311-AF647 100ul
 #C43311-AF680 100ul #C43311-AF750 100ul #C43311-Biotin 100ul

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Description

Product Name	NANOS1 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of total NANOS1 protein.
Immunogen Description	Synthetic peptide of human NANOS1
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	NOS1; SPGF12
Accession No.	Swiss-Prot#:Q8WY41NCBI Gene ID:340719NCBI mRNA#:NP_955631NCBI Protein#:
Uniprot	Q8WY41
GeneID	340719;
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	30KD
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

Nanos1, also known as NOS1, is a 292 amino acid protein that localizes to the perinuclear region of the cytoplasm and contains one nanos-type zinc finger. Expressed at high levels in spermatogonia and present at lower levels in fetal ovaries, Nanos1 forms a complex with Pumilio 2 and functions to regulate the translation of select mRNAs, specifically via association with the 3-UTR of its mRNA targets. Additionally, Nanos1 is required for the establishment and maintenance of germline stem cells, as it prevents their premature entry into oogenesis.

Note: This product is for in vitro research use only