LIN28A (Phospho-Ser120) Conjugated Antibody

Catalog No: #C12839

Package Size: #C12839-AF350 100ul #C12839-AF405 100ul #C12839-AF488 100ul #C12839-AF555 100ul #C12839-AF594 100ul #C12839-AF647 100ul #C12839-AF680 100ul #C12839-AF750 100ul #C12839-Biotin 100ul

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Description

Product Name	LIN28A (Phospho-Ser120) Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu Ms
Specificity	Phospho-LIN28A (Ser120) Antibody detects endogenous levels of LIN28A only when phosphorylated at Ser120
Immunogen Description	A synthesized peptide derived from human LIN28A (Phospho-Ser120)
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	Protein lin-28 homolog A Lin-28A Zinc finger CCHC domain-containing protein 1 LIN28A CSDD1, LIN28, ZCCHC1
Accession No.	Swiss-Prot#:Q9H9Z2NCBI Gene ID:79727NCBI mRNA#:NCBI Protein#:
Uniprot	Q9H9Z2
GeneID	79727;
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	26
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

Product Description

LIN28A and LIN28B are conserved, developmentally regulated RNA binding proteins that inhibit the processing and maturation of the let-7 family of miRNAs (1,2). The let-7 miRNAs have been implicated in repression of oncogenes such as Ras, Myc, and HMGA2 (3). It has recently been shown that upregulation of LIN28A and LIN28B in primary human tumors and human cancer cell lines is correlated with downregulation of let-7 miRNAs (4). LIN28 genes are reported to be involved in primordial germ cell development and germ cell malignancy (5). In addition, allelic variation in LIN28B is associated with regulating the timing of puberty in humans (6). Overexpression of LIN28A, in conjunction with Oct-4, Sox2, and Nanog, can reprogram human fibroblasts to pluripotent, ES-like cells (7).

Note: This product is for in vitro research use only