LSM11 Conjugated Antibody

Catalog No: #C42915

Package Size: #C42915-AF350 100ul #C42915-AF405 100ul #C42915-AF488 100ul #C42915-AF555 100ul #C42915-AF594 100ul #C42915-AF647 100ul #C42915-AF680 100ul #C42915-AF750 100ul #C42915-Biotin 100ul

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Description

Product Name	LSM11 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total LSM11 protein.
Immunogen Description	Fusion protein of human LSM11
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	2210404M20Rik; FLJ38273; LSM11; LSM11 homolog, U7 small nuclear RNA associated
Accession No.	Swiss-Prot#:P83369NCBI Gene ID:134353NCBI mRNA#:BC126449
Uniprot	P83369
GeneID	134353;
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
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

Sm and Sm-like (LSm) proteins form donut-shaped, ubiquitously expressed heptameric complexes that are involved in various steps of RNA metabolism, including RNA-protein interactions and structural changes that are required during ribosomal subunit assembly. LSm11 is a 360 amino acid protein that localizes to the nucleus and belongs to the LSm subfamily of snRNP Sm proteins. Containing an N-terminal domain that is necessary for pre-mRNA cleavage, LSm11 functions to binds specifically to U7 snRNA and is thought to play a role in cell cycle regulation and cell growth. The gene encoding LSm11 maps to human chromosome 5, which contains 181 million base pairs and comprises nearly 6% of the human genome. Deletion of the p arm of chromosome 5 leads to Cri du chat syndrome, while deletion of the q arm or of chromosome 5 altogether is common in therapy-related acute myelogenous leukemias and myelodysplastic syndrome.

Note: This product is for in vitro research use only