MLST8 Conjugated Antibody

Catalog No: #C32136

Package Size: #C32136-AF350 100ul #C32136-AF405 100ul #C32136-AF488 100ul #C32136-AF555 100ul #C32136-AF594 100ul #C32136-AF647 100ul #C32136-AF680 100ul #C32136-AF750 100ul #C32136-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	MLST8 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total MLST8 protein.
Immunogen Description	Recombinant protein of human MLST8.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	GBL;LST8;MGC111011;POP3;WAT1
Accession No.	Swiss-Prot#:Q9BVC4NCBI Gene ID:64223
Uniprot	Q9BVC4
GeneID	64223;
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	36
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

Product Description

Antibodies were purified by affinity purification using immunogen.

Background

Cell growth is a fundamental biological process whereby cells accumulate mass and increase in size. The mammalian Target of Rapamycin (mTOR) pathway regulates growth by coordinating energy and nutrient signals with growth factor-derived signals (1). mTOR is a large protein kinase with two different complexes. One complex contains mTOR, GβL, and raptor, which is a target of rapamycin. The other complex, insensitive to rapamycin, includes mTOR, GβL, and rictor (1). GβL associates with the kinase domain of mTOR and stimulates mTOR kinase activity (2). A reduction in GβL expression has been shown to decrease in vivo phosphorylation of S6K1 (2).

Note: This product is for in vitro research use only