RNLS Conjugated Antibody

Catalog No: #C37867

Package Size: #C37867-AF350 100ul #C37867-AF405 100ul #C37867-AF488 100ul #C37867-AF555 100ul #C37867-AF594 100ul #C37867-AF647 100ul #C37867-AF680 100ul #C37867-AF750 100ul #C37867-Biotin 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	RNLS Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total RNLS protein.
Immunogen Description	Synthetic peptide corresponding to a region derived from internal residues of human renalase, FAD-dependent amine oxidase
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	C10orf59; RENALASE
Accession No.	Swiss-Prot#:Q5VYX0NCBI Gene ID:55328NCBI mRNA#:NCBI Protein#:NP_006500/Q01201
Uniprot	Q5VYX0
GeneID	55328;
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	38
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

Background

Renalase is a flavin adenine dinucleotide-dependent amine oxidase that is secreted into the blood from the kidney. Catalyzes the oxidation of the less abundant alpha-NAD(P)H isoform toform beta-NAD(P)+. The enzyme hormone is secreted by the kidney, and circulates in blood and modulates cardiac function and systemic blood pressure. Lowers blood pressure in vivo by decreasing cardiac contractility and heart rate and preventing a compensatory increase in peripheral vascular tone, suggesting a causal link to the increased plasma catecholamine and heightened cardiovascular risk.

Note: This product is for in vitro research use only