VGLL1 Conjugated Antibody

Catalog No: #C47455

Package Size: #C47455-AF350 100ul #C47455-AF405 100ul #C47455-AF488 100ul #C47455-AF555 100ul #C47455-AF594 100ul #C47455-AF647 100ul #C47455-AF680 100ul #C47455-AF750 100ul #C47455-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	VGLL1 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total VGLL1 protein.
Immunogen Description	Synthetic peptide of human VGLL1
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	TDU; VGL1
Accession No.	Swiss-Prot#:Q99990NCBI Gene ID:51442NCBI mRNA#:NCBI Protein#:NP_057351
Uniprot	Q99990
GeneID	51442;
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	29 kDa
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

The protein encoded by this gene binds proteins of the TEA domain family of transcription factors (TEFs) through the Vg (vestigial) homology region found in its N-terminus. It may thus function as a specific coactivator for the mammalian TEFs. TDU interacted directly with the TEA domain family member, TEF1, and deletion of the Vg homology region abolished the interaction. The TDU-TEF1 dimer activated a reporter plasmid, and expression of TDU in Drosophila rescued loss of Vg function. The interaction was stronger in cardiac myocytes, suggesting a myocyte-specific factor may participate in the interaction. Vgll1 was weakly active in driving expression of a reporter gene from the mouse skeletal muscle alpha-actin promoter, and Vgll1 could partially reverse the inhibitory effect of TEF1 in this assay.

Note: This product is for in vitro research use only