

KLF2 Conjugated Antibody

Catalog No: #C46591



Package Size: #C46591-AF350 100ul #C46591-AF405 100ul #C46591-AF488 100ul
 #C46591-AF555 100ul #C46591-AF594 100ul #C46591-AF647 100ul
 #C46591-AF680 100ul #C46591-AF750 100ul #C46591-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	KLF2 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of total KLF2 protein.
Immunogen Description	Synthetic peptide corresponding to residues near the C terminal of human KLF2
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	LKLF
Accession No.	Swiss-Prot#:Q9Y5W3NCBI Gene ID:10365NCBI mRNA#:NCBI Protein#:NP_057354
Uniprot	Q9Y5W3
GeneID	10365;
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	37
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

The krppel-type zinc finger transcription factors comprise a conserved family of DNA binding proteins that are important in developmental regulation. The krppel zinc finger transcription factor was initially identified in *Drosophila* as a segmentation gene. Krppel-like factors that have been characterized in mammals include erythroid krppel-like transcription factor (EKLF), lung krppel-like transcription factor (LKLF) and gut krppel-like transcription factor (GKLF). EKLF is expressed principally in erythroid tissues, and LKLF expression is limited to the lung. GKLF is found predominantly in gut and has been shown to be expressed during growth arrest. In a developing mouse embryo, LKLF is necessary for normal tunica media formation and blood vessel stabilization. LKLF is also sufficient to program quiescence in T cells by negatively regulating the c-Myc-dependent pathway. The gene for human LKLF maps to chromosome 19p13.11.

Note: This product is for in vitro research use only