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KLF2 Rabbit pAb

Catalog # AP97163

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9Y5W3
Other Accession	Q9Y5W3
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	37420
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human KLF2
Epitope Specificity	1-100/355
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the krueppel C2H2-type zinc-finger protein family.Contains 3 C2H2-type zinc fingers.
SUBUNIT	Interacts with WWP1.
Post-translational modifications	Ubiquitinated. Polyubiquitination involves WWP1 and leads to proteasomal degradation of this protein.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Kruppel-like factors (KLFs) are a family of broadly expressed zinc finger transcription factors. KLF2 regulates T-cell trafficking by promoting expression of the lipid-binding receptor S1P1 (S1PR1; MIM 601974) and the selectin CD62L (SELL; MIM 153240) (summary by Weinreich et al., 2009 [PubMed 19592277]).[supplied by OMIM, Feb 2011]

Additional Information

Gene ID	10365
Other Names	LKLF; KLF2_HUMAN; KLF2; Lung krueppel-like factor; KLF2_MOUSE; KLF2_RAT; KLF transcription factor 2; Kruppel-like factor 2 (lung); Kruppel like factor 2; lung Kruppel-like factor
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	KLF2
Synonyms	LKLF
Function	Transcription factor that binds to the CACCC box in the promoter of target genes such as HBB/beta globin or NOV and activates their transcription (PubMed:21063504). Might be involved in transcriptional regulation by modulating the binding of the RARA nuclear receptor to RARE DNA elements (PubMed:28167758).
Cellular Location	Nucleus.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.