



Datasheet for ABIN737121
anti-KLF2/4 antibody (AA 415-513)



[Go to Product page](#)

3 Images

3 Publications

Overview

Quantity:	100 µL
Target:	KLF2/4
Binding Specificity:	AA 415-513
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KLF2/4 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Western Blotting (WB), ELISA

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human KLF4
Isotype:	IgG
Specificity:	This antibody may crossreact with KLF2 due to high sequence similarity.
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Cow, Sheep, Pig, Horse, Chicken, Guinea Pig
Purification:	Purified by Protein A.

Target Details

Target:	KLF2/4
Abstract:	KLF2/4 Products
Background:	<p>Synonyms: EZF, GKLF, Krueppel-like factor 4, Epithelial zinc finger protein EZF, Gut-enriched krueppel-like factor, KLF4</p> <p>Background: Transcription factor, can act both as activator and as repressor. Binds the 5'-CACCC-3' core sequence. Binds to the promoter region of its own gene and can activate its own transcription. Regulates the expression of key transcription factors during embryonic development. Plays an important role in maintaining embryonic stem cells, and in preventing their differentiation. Required for establishing the barrier function of the skin and for postnatal maturation and maintenance of the ocular surface. Involved in the differentiation of epithelial cells and may also function in skeletal and kidney development. Contributes to the down-regulation of p53/TP53 transcription.</p>
Gene ID:	9314
UniProt:	O43474

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 FCM 1:20-100 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

Handling

handled by trained staff only.

Storage: 4 °C,-20 °C

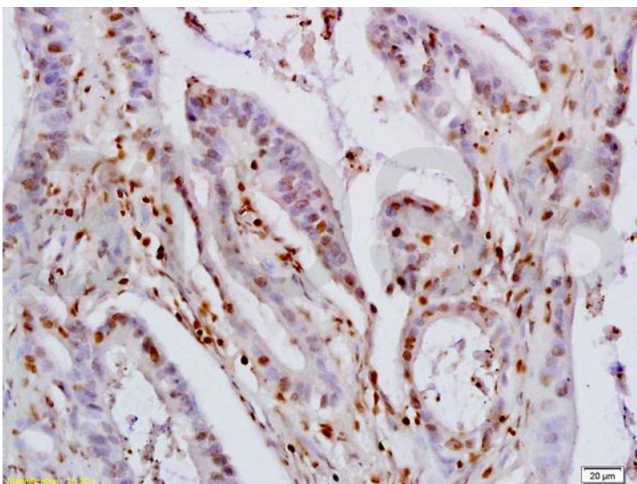
Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months

Publications

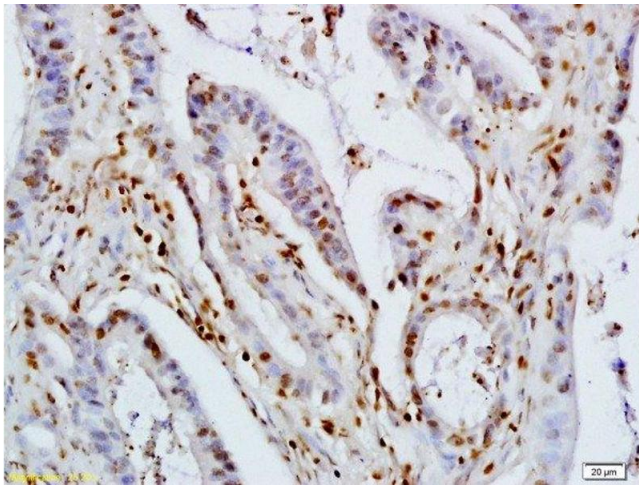
- Product cited in:
- Verma, Lovren, Pan, Yanagawa, Deb, Karkhanis, Quan, Teoh, Feder-Elituv, Moussa, Souza, Fremes: "Pedicled no-touch saphenous vein graft harvest limits vascular smooth muscle cell activation: the PATENT saphenous vein graft study." in: **European journal of cardio-thoracic surgery : official journal of the European Association for Cardio-thoracic Surgery**, Vol. 45, Issue 4, pp. 717-25, (2014) ([PubMed](#)).
- El-Sayed, Zhang, Zhang, Liu, Abbott, Zhang, Li: "Pluripotent state induction in mouse embryonic fibroblast using mRNAs of reprogramming factors." in: **International journal of molecular sciences**, Vol. 15, Issue 12, pp. 21840-64, (2014) ([PubMed](#)).
- Lovren, Pan, Quan, Singh, Shukla, Gupta, Steer, Ingram, Gupta, Al-Omran, Teoh, Marsden, Verma: "MicroRNA-145 targeted therapy reduces atherosclerosis." in: **Circulation**, Vol. 126, Issue 11 Suppl 1, pp. S81-90, (2012) ([PubMed](#)).

Images



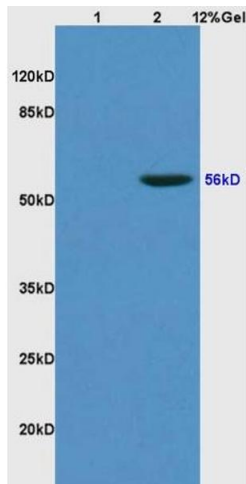
Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded human colon carcinoma labeled with Rabbit Anti KLF4 Polyclonal Antibody, Unconjugated (ABIN737121) at 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Formalin-fixed and paraffin embedded human colon carcinoma labeled with Rabbit Anti KLF4 Polyclonal Antibody, Unconjugated at 1:200 followed by conjugation to the secondary antibody and DAB staining



SDS-PAGE

Image 3. L1 rat kidney lysates L2 human colon carcinoma lysates probed with Anti KLF4 Polyclonal Antibody, Unconjugated (ABIN737121) at 1:200 overnight at 4 °C. Followed by conjugation to secondary antibody at 1:3000 for 90 min at 37 °C. Predicted band 56kD. Observed band size: 56kD.