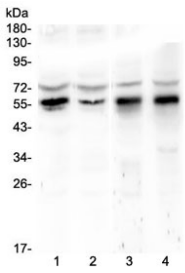
KLF4 Antibody (RQ4437)

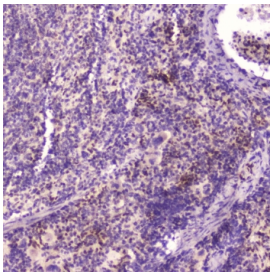
Catalog No.	Formulation	Size
RQ4437	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

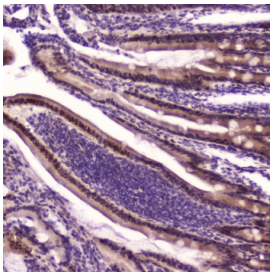
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	O43474
Localization	Nucleus
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This KLF4 antibody is available for research use only.



Western blot testing of human 1) HeLa, 2) COLO-320, 3) rat stomach and 4) rat testis lysate with KLF4 antibody at 0.5ug/ml. Predicted molecular weight: 50-60 kDa + possible ~75 kDa (phosphorylated form).



IHC testing of FFPE mouse spleen tissue with KLF4 antibody at 2ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



IHC testing of FFPE rat small intestine tissue with KLF4 antibody at 2ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.

Description

Kruppel-like factor 4, also known as EZF or GKLF, is a protein that in humans is encoded by the KLF4 gene. This gene is mapped to 9q31.2. KLF4 gene encodes a member of the Kruppel family of transcription factors. This gene plays an important role in maintaining embryonic stem cells, and in preventing their differentiation. It is required for establishing the barrier function of the skin and for postnatal maturation and maintenance of the ocular surface. This gene involved in the differentiation of epithelial cells and may also function in skeletal and kidney development.

Learn more about KLF4 biology and its role as a stem cell-associated transcription factor by visiting our KLF4 Antibody / Stem Cell Transcription Factor Antibody page.

Application Notes

Optimal dilution of the KLF4 antibody should be determined by the researcher.

Immunogen

Amino acids EKTLRQAGAPNNRWREELSHMKRLPPVLPGRPYDLA were used as the immunogen for the KLF4 antibody.

Storage

After reconstitution, the KLF4 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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