bs-5786R **[Primary Antibody]**

KLST/Kallistatin Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 5267 **SWISS:** P29622

Target: KLST/Kallistatin

Immunogen: KLH conjugated synthetic peptide derived from human KLST/Kallistatin: 151-250/427.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Kallistatin is a serine proteinase inhibitor which binds to tissue kallikrein and inhibits its amidolytic and kininogenase activity. Inhibition is achieved by formation of an equimolar, heat- and SDS-stable complex between the inhibitor and the enzyme, and generation of a small C-terminal fragment of the inhibitor due to cleavage at the reactive site by tissue kallikrein. Heparin blocks kallistatin's complex formation with tissue kallikrein and abolishes its inhibitory effect on tissue kallikrein's activity.

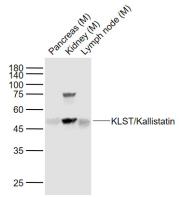
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

Reactivity: Mouse (predicted: Human, Rat)

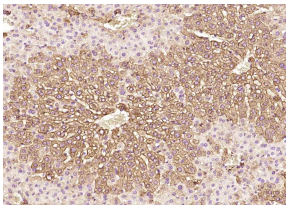
Predicted MW.: 49 kDa

Subcellular Location: Secreted

VALIDATION IMAGES



Sample: Lane 14: Pancreas (Mouse) Lysate at 40 ug Lane 14: Kidney (Mouse) Lysate at 40 ug Lane 14: Lymph node (Mouse) Lysate at 40 ug Primary: Anti-KLST/Kallistatin (bs-5786R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 50-60 kD Observed band size: 50 kD



Paraformaldehyde-fixed, paraffin embedded (mouse liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (KLST) Polyclonal Antibody, Unconjugated (bs-5786R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

SELECTED CITATIONS

- **[IF=2.2]** Biswas et al. Polymorphisms at the F12 and KLKB1 loci have significant trait association with activation of the renin-angiotensin system. (2016) BMC.Med.Genet. 17:21 IF ;Mouse. 26969407