

Basic Information

Catalog Number:	86143-1-RR	GenBank Accession Number:	NM_001320331.1	Purification Method:	Protein A purification
Source:	Rabbit	GenID (NCBI):	16612	CloneNo.:	250034D2
Isotype:	IgG	UNIPROT ID:	P15947	Recommended Dilutions:	WB: 1:2000-1:10000 IHC: 1:500-1:2000 IF-P: 1:50-1:500
Immunogen Catalog Number:	EG2996	Full Name:	kallikrein 1	Calculated MW:	29 kDa
				Observed MW:	28-34 kDa

Applications

Tested Applications:	WB, IHC, IF-P, ELISA	Positive Controls:	
Species Specificity:	mouse	WB:	mouse pancreas tissue,
	Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC:	mouse pancreas tissue,
		IF-P:	mouse pancreas tissue,

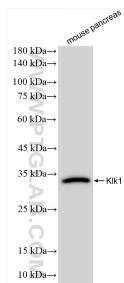
Background Information

Mouse KLK1 (Kallikrein-Related Peptidase 1) is a serine protease belonging to the kallikrein family with important physiological functions. KLK1 can cleave the Met-Lys and Arg-Ser bonds in kininogen to release Lys-bradykinin. Bradykinin plays an important role in regulating vasodilation, lowering blood pressure, smooth muscle relaxation and contraction, pain induction and inflammatory response.

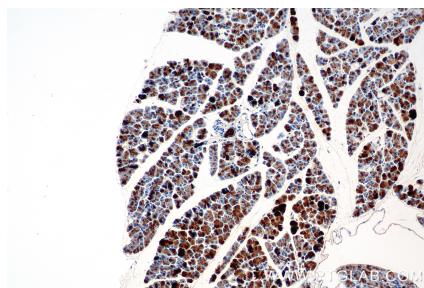
Storage

Storage: Store at -20°C. Stable for one year after shipment.
Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

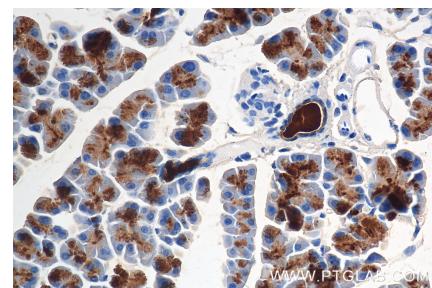
Selected Validation Data



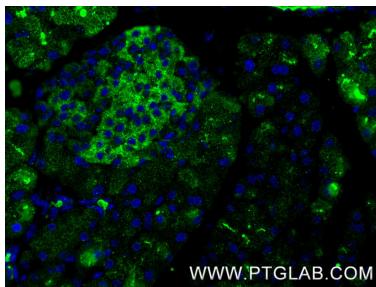
mouse pancreas tissue were subjected to SDS PAGE followed by western blot with 86143-1-RR (Klk1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



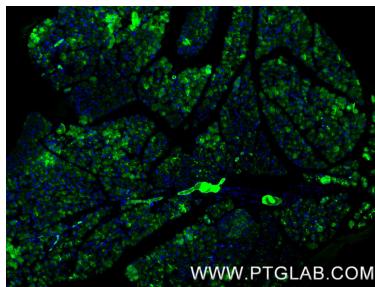
Immunohistochemical analysis of paraffin-embedded mouse pancreas tissue slide using 86143-1-RR (Klk1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse pancreas tissue slide using 86143-1-RR (Klk1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse pancreas tissue using Klk1 antibody (86143-1-RR, Clone: 250034D2) at dilution of 1:200 and Coralite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse pancreas tissue using Klk1 antibody (86143-1-RR, Clone: 250034D2) at dilution of 1:200 and Coralite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).