Datasheet for ABIN7426655

anti-IL1A antibody (AA 115-270)

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Overview

Quantity:	100 µL
Target:	IL1A
Binding Specificity:	AA 115-270
Reactivity:	Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This IL1A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Purpose:	Monoclonal Antibody to Interleukin 1 Alpha (IL1a)
Immunogen:	Recombinant Interleukin 1 Alpha (IL1a) corresdonding to Ser115~Ser270 with N-terminal His Tag
Clone:	C12
Isotype:	IgG1 kappa
Specificity:	The antibody is a mouse monoclonal antibody raised against IL1a. It has been selected for its ability to recognize IL1a in immunohistochemical staining and western blotting.
Cross-Reactivity:	Human, Mouse
Purification:	Protein A + Protein G affinity chromatography

Target Details

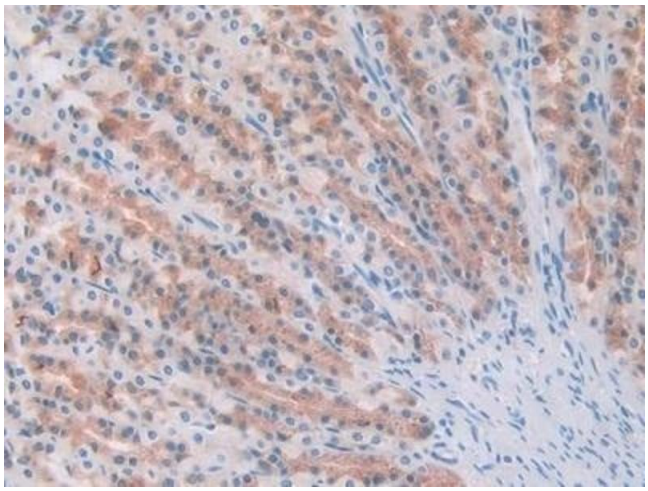
Target:	IL1A
Alternative Name:	Interleukin 1 Alpha (IL1A Products)
Background:	IL1-A, IL-1α, IL1F1, Preinterleukin 1 Alpha, Hematopoietin-1, Pro-Interleukin-1-Alpha, Interleukin-1 Family Member 1
Pathways:	NF-kappaB Signaling, Autophagy, Cancer Immune Checkpoints

Application Details

Application Notes:	Western blotting: 0.5-2 µg/mL Immunohistochemistry: 5-20 µg/mL Immunocytochemistry: 5-20 µg/mL Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Restrictions:	For Research Use only

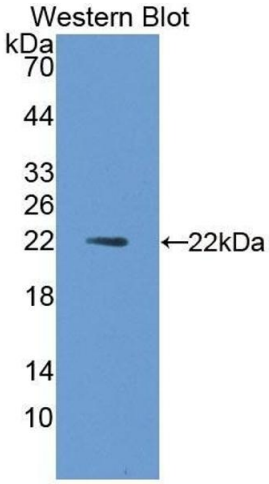
Handling

Format:	Liquid
Buffer:	PBS, pH 7.4, containing 0.02 % Sodium azide, 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	24 months



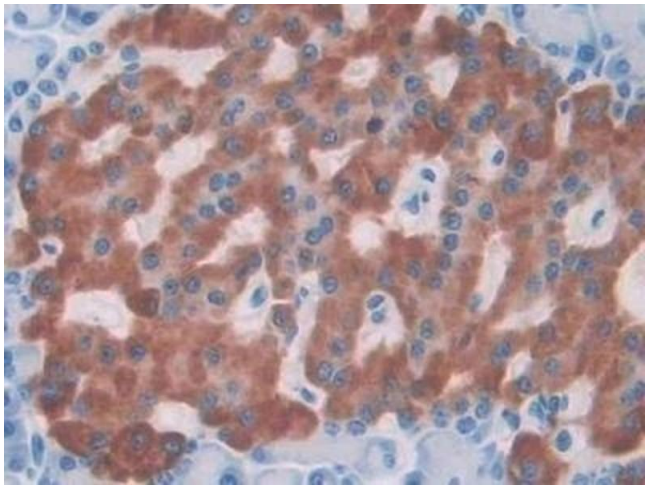
Immunohistochemistry

Image 1. Detection of IL1a in Rat Stomach Tissue using Monoclonal Antibody to Interleukin 1 Alpha (IL1a)



Western Blotting

Image 2. Detection of Recombinant IL1a, Rat using Monoclonal Antibody to Interleukin 1 Alpha (IL1a)



Immunohistochemistry

Image 3. Detection of IL1a in Rat Pancreas Tissue using Monoclonal Antibody to Interleukin 1 Alpha (IL1a)

