

Rabbit Anti-HAI-1 antibody

SL0540R

Product Name	HAI-1
Chinese Name	肝细胞生长因子激活物抑制剂/HGFA Inhibitor 1 抗体
Alias	Hepatocyte Growth Factor Activator Inhibitor 1; Spint1; Hai1; HGFA Inhibitor 1; HAI-1; SPIT1_HUMAN.
Research Area	Tumour immunology Kinases and Phosphatases The cell membrane 受体
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Mouse, (predicted: Human, Rat,) WB=1:500-2000 (Paraffin sections need antigen repair)
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	55kDa
Cellular localization	Secretory protein
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human HAI-1: 451-529/529
Lsotype	IgG
Purification	affinity purified by Protein A
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
PubMed	PubMed
Product Detail	HGFA Inhibitor 1 is an endogenous inhibitor of the kunitz-type serine proteinase HGF-activator (HGFA). HGF was first described as a hepatocyte-specific mitogen and survival factor, and has since been shown to exert a variety of actions on many cell types by binding to its MET receptor.

HGF is activated by cleavage of the single-chain form to form a two-chain version by HGFA. HGFA Inhibitor 1 also inhibits trypsin, and MTSP-1 (Matriptase), a serine proteinase that also activates HGF. HGFB Inhibitor 1 is a splice variant of HGFA Inhibitor 1, and contains a 16 amino acid insert after the first kringle domain, relative to the HGFA Inhibitor 1 sequence.

Function:

Inhibitor of HGF activator. Also acts as an inhibitor of matriptase (ST14).

Subunit:

Interacts with HGFAC.

Subcellular Location:

Secreted.

Similarity:

Contains 2 BPTI/Kunitz inhibitor domains.

Contains 1 LDL-receptor class A domain.

Contains 1 MANSC domain.

SWISS:

O43278

Gene ID:

6692

Database links:

[Entrez Gene: 6692](#) Human

[Omim: 605123](#) Human

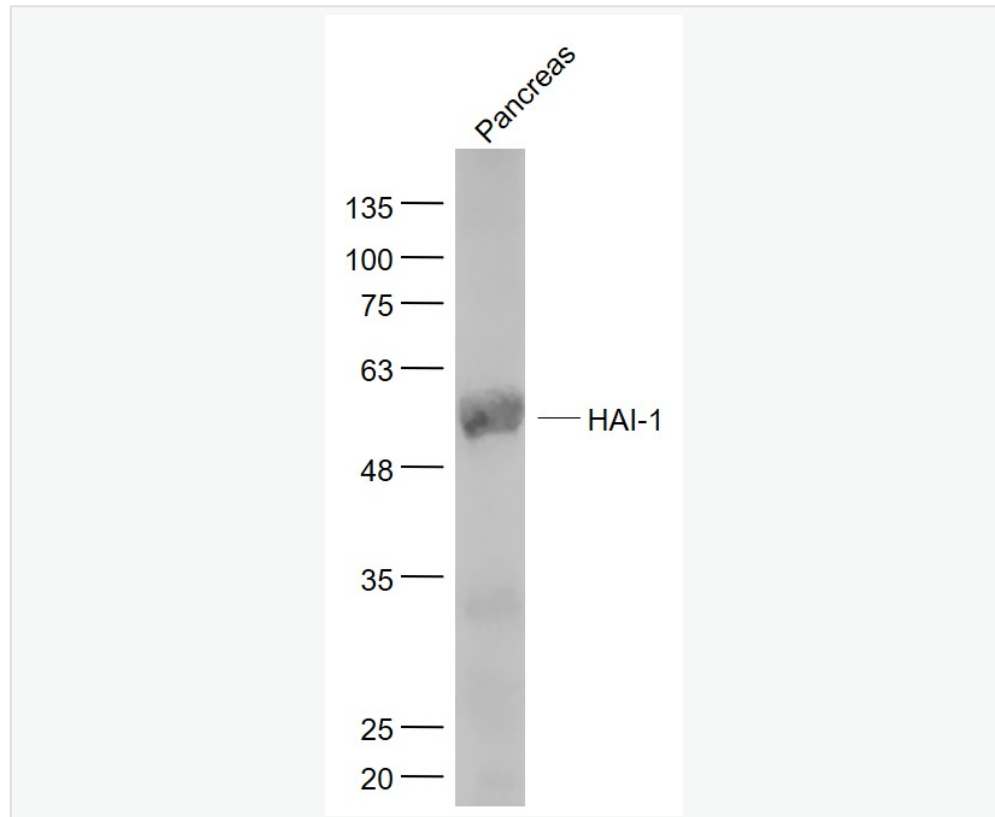
[SwissProt: O43278](#) Human

[Unigene: 233950](#) Human

HAI-1 是一种含两个 Kunitz 域的 Transmembrane protein，可抑制由 The cell membrane 分泌的并且以游离形式存在的 HGFA。HAI-1 也可以作用于其它丝氨酸蛋白酶。

HAI-1 主要在胎盘、肾、胰腺、前列腺和小肠，也有报道称 HAI-1 会在肝癌中表达。

Product Picture



Sample:

Pancreas (Mouse) Lysate at 40 ug

Primary: Anti- HAI-1 (SL0540R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 55 kD

Observed band size: 55 kD