



Rabbit Anti-GDN antibody

SL9845R

Product Name:	GDN
Chinese Name:	胶质源性连接蛋白抗体
Alias:	Glia derived nexin; Protease inhibitor 7; GDN; GDN_HUMAN; Glia-derived nexin; P17 antibody Peptidase inhibitor 7; Pi-7; Plasminogen activator inhibitor type 1, member 2; PN-1; PN1; PNI; Protease nexin 1; Protease nexin I; Serpin E2; Serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 2; SERPINE 2; Serpine2.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:50-200 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	42kDa
Cellular localization:	Extracellular matrixSecretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human GDN/SERPINE2:301-398/398
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	The serine protease inhibitors (serpins) compose a superfamily of proteins with a diverse set of functions, including the control of blood coagulation, complement activation, programmed cell death and development. Serpins are secreted glycoproteins that contain

a stretch of peptide that mimics a true substrate for a corresponding serine protease. Protease nexin-1 (PN-1) is a serpin that inactivates several proteases, including thrombin, urokinase, plasminogen activators (PA) and plasmin. It is involved in tissue remodeling, cellular invasiveness, matrix degradation and tumor growth. PN-1 expression is abundant in the nervous system, where it inhibits thrombin, thereby playing a role in neural injury and repair processes. An imbalance between PN-1 and thrombin may be a contributing factor in the pathology of Alzheimer's disease.

Function:

Serine protease inhibitor with activity toward thrombin, trypsin, and urokinase. Promotes neurite extension by inhibiting thrombin. Binds heparin.

Subcellular Location:

Secreted, extracellular space.

Similarity:

Belongs to the serpin family.

SWISS:

P07093

Gene ID:

2570

Database links:

[Entrez Gene: 5270](#)Human

[Entrez Gene: 20720](#)Mouse

[Entrez Gene: 29366](#)Rat

[Olim: 177010](#)Human

[SwissProt: P07093](#)Human

[SwissProt: Q07235](#)Mouse

[SwissProt: P07092](#)Rat

[Unigene: 38449](#)Human

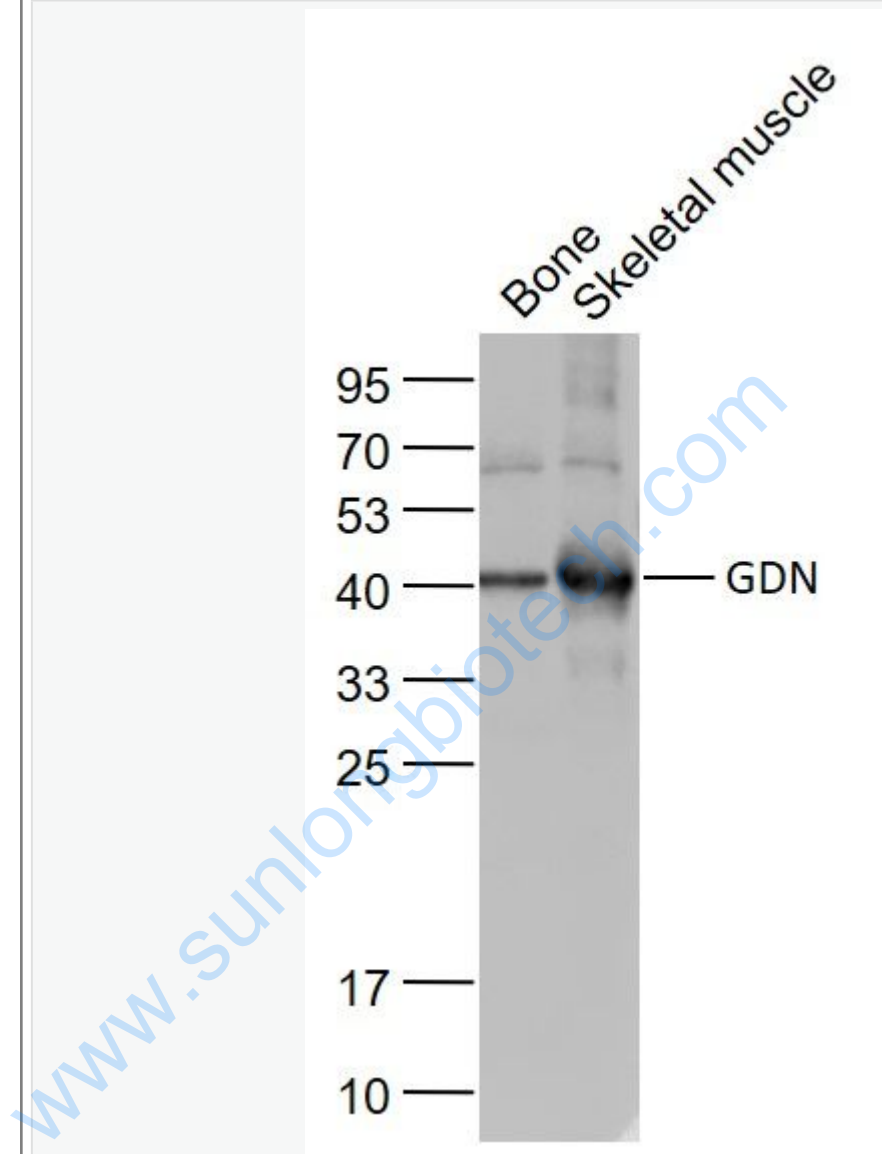
- [Unigene: 708453](#)Human
- [Unigene: 3093](#)Mouse
- [Unigene: 2271](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human,

therapeutic or diagnostic applications.

Picture:



Sample:

Bone (Mouse) Lysate at 40 ug

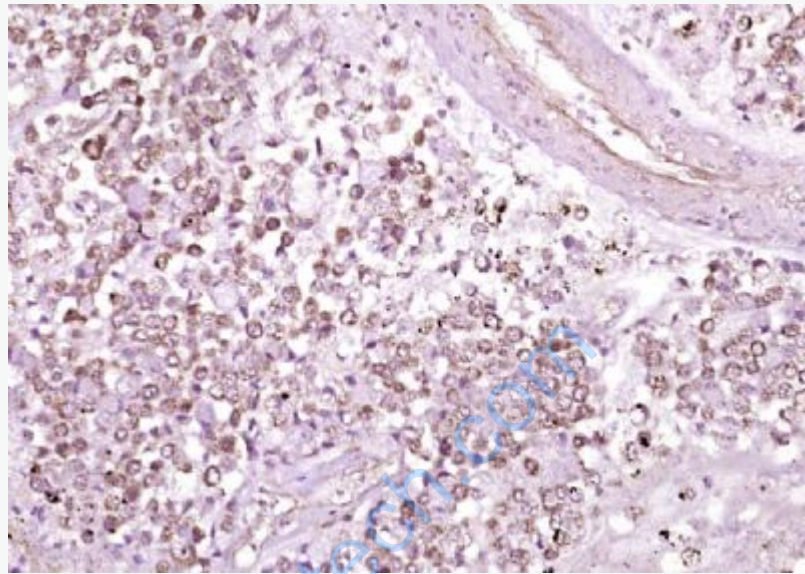
Skeletal muscle (Mouse) Lysate at 40 ug

Primary: Anti-GDN (SL9845R) at 1/1000 dilution

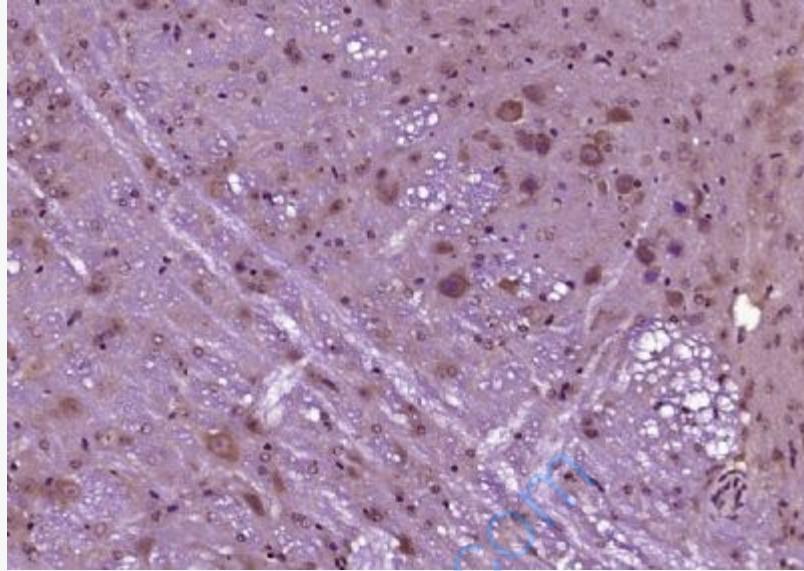
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 42 kD

Observed band size: 42 kD



Paraformaldehyde-fixed, paraffin embedded (Human cervical carcinoma); 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 (GDN) Polyclonal Antibody, Unconjugated (SL9845R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); 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 (GDN) Polyclonal Antibody, Unconjugated (SL9845R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.