



Rabbit Anti-Calciressin 3 antibody

SL11542R

Product Name:	Calciressin 3
Chinese Name:	钙调神经磷酸酶调节蛋白3抗体(唐氏综合征候选区域蛋白1样蛋白3)
Alias:	Calciressin-3; Down syndrome candidate region 1 like 2; regulator of calcineurin 3; Down syndrome candidate region 1 like protein 2; Down syndrome candidate region 1-like protein 2; Down syndrome critical region gene 1 like 2; DSCR1L2; hRCN3; MCIP3; Myocyte enriched calcineurin interacting protein 3; Myocyte-enriched calcineurin-interacting protein 3; RCAN family member 3; RCAN3; RCAN3_HUMAN; RCN3; RCN3; MCIP3; Regulator of calcineurin 3.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	27kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Calciressin 3:151-241/241
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:	Calcineurin is a Ca(2+) dependent protein phosphatase that is involed in several neuornal functions. Proteins belonging to the RCAN (Regulator of calcineurin) family

modulate the activity of Calcineurin through a valine-rich region within their carboxyl tail. RCANs compete with NFATs (Nuclear factor of activated T-cells) for binding to the same docking site in calcineurin, which results in either inhibition or activation of calcineurin activity. Calcipressin-2, also known as RCAN2 and DSCR1L1 (Down syndrome candidate region 1-like 1), is a 197 amino acid protein that is highly expressed in both the cytoplasm and nucleus of neurons and is the only RCAN family member that is found in glial cells. Calcipressin-3, also known as RCAN3 and DSCR1L2 (Down syndrome candidate region 1-like protein 2), is a 241 amino acid protein that potentially is involved in central nervous system development. Calcipressin-3 interacts with cardiac troponin I, suggesting that it may play a role in cardiac contraction events.

Function:

Inhibits calcineurin-dependent transcriptional responses by binding to the catalytic domain of calcineurin A. Could play a role during central nervous system development.

Tissue Specificity:

Highest expression in heart, skeletal muscle kidney, liver and peripheral blood leukocytes. Lower expression in all other tissues.

Similarity:

Belongs to the RCAN family.

SWISS:

Q9UKA8

Gene ID:

11123

Database links:

[Entrez Gene: 11123](#) Human

[Entrez Gene: 53902](#) Mouse

[Omim: 605860](#) Human

[SwissProt: Q9UKA8](#) Human

[SwissProt: Q9JKK0](#) Mouse

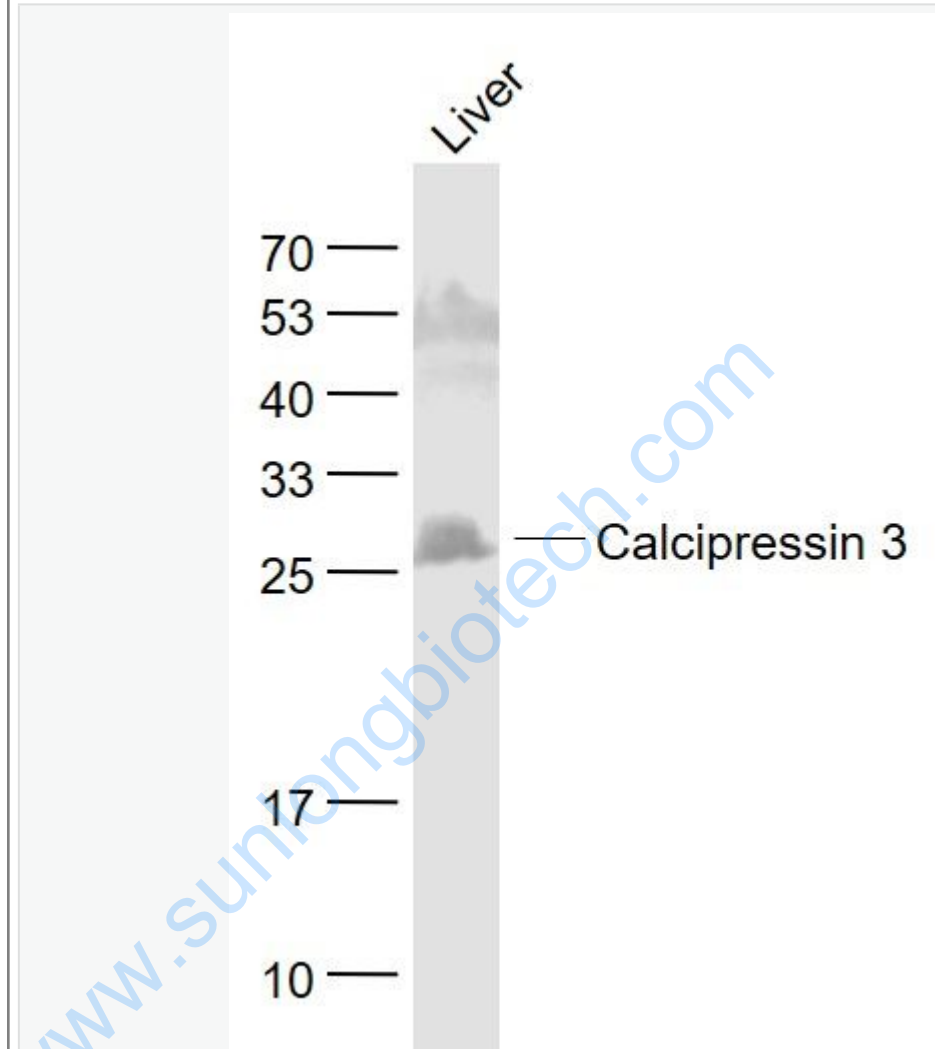
[Unigene: 656799](#) Human

[Unigene: 331970](#) Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

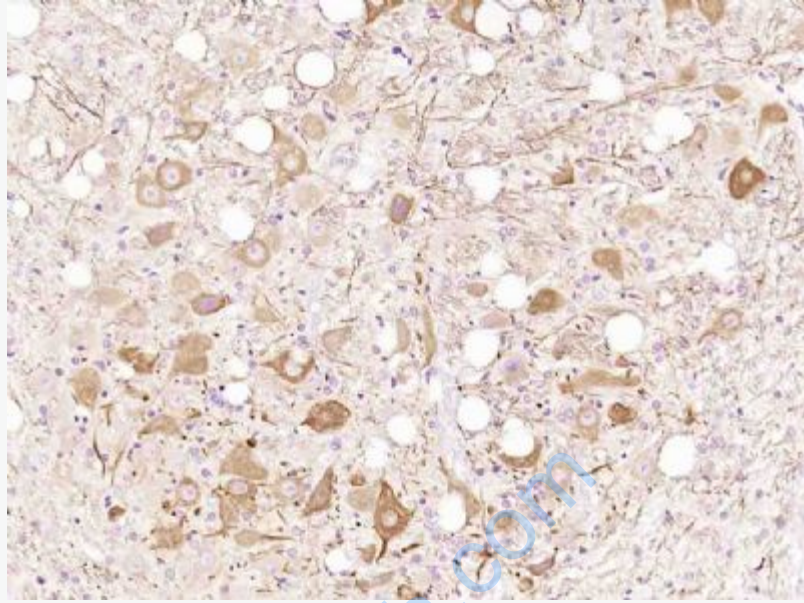
Liver (Mouse) Lysate at 40 ug

Primary: Anti- Calcipressin 3 (SL11542R) at 1/1000 dilution

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

Predicted band size: 27 kD

Observed band size: 27 kD



Paraformaldehyde-fixed, paraffin embedded (rat 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 (Calcipressin 3) Polyclonal Antibody, Unconjugated (SL11542R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.