SunLong Biotech Co.,LTD
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Rabbit Anti-Calbindin antibody

SLM-60713R

Product Name	Calbindin
Chinese Name	钙 Binding proteinD28KRecombinant rabbit monoclonal anti
Alias	CAB27; CALB 1; CALB; CALB1; Calbindin 1 28kDa; Calbindin-D-28K; Calbindin D28; D 28K; D28K; Vitamin D dependent calcium binding protein; Vitamin D dependent calcium binding protein avian type; Vitamin D dependent calcium binding protein avian-type; Vitamin D-dependent calcium-binding protein; CALB1_HUMAN.
Research Area	Cell biology immunology Mitochondrion
Immunogen Species	Rabbit
Clonality	Monoclonal
Clone NO.	R2F6
React Species	Human,Mouse,Rat
Applications	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	30kDa
Cellular localization	cytoplasmic The cell membrane Mitochondrion
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human Calbindin
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℃. 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.

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PubMed

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Calbindin is a calcium-binding protein belonging to the troponin C superfamily. It was originally described as a 27-kD protein induced by vitamin D in the duodenum of the chick. In the brain, its synthesis is independent of vitamin-D-derived hormones. Calbindin contains 4 active calcium-binding domains, and 2 modified domains that presumably have lost their calcium-binding capacity. The neurons in brains of patients with Huntington disease are calbindin-depleted. [provided by RefSeq, Jul 2008]

Product Detail

SWISS:
P05937

Gene ID:
793

Database links:

Entrez Gene: 793 Human

Entrez Gene: 12307 Mouse

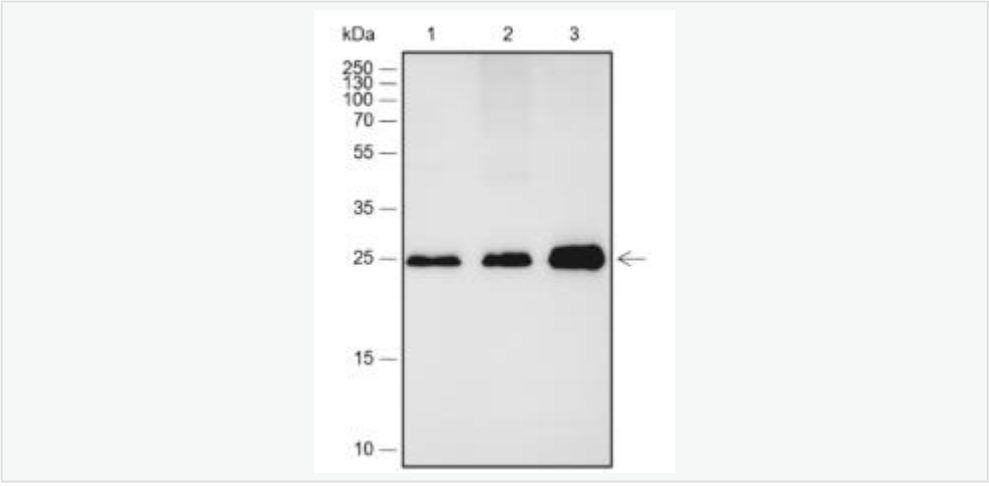
Entrez Gene: 83839 Rat

SwissProt: P05937 Human

SwissProt: P12658 Mouse

SwissProt: P07171 Rat

Product Picture



Blocking buffer: 5% NFDM/TBST

Primary Ab dilution: 1:2000

Primary Ab incubation condition: 2 hours at room temperature

Secondary Ab: Goat Anti-Rabbit IgG H&L (HRP)

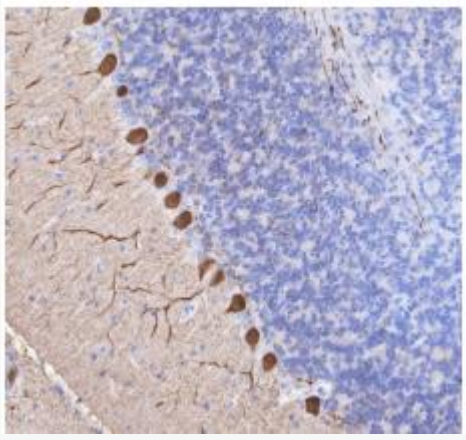
Lysate: 1: Mouse brain, 2: Rat brain, 3: Mouse cerebellum

Protein loading quantity: 20 μg

Exposure time: 60 s

Predicted MW: 24 kDa

Observed MW: 24 kDa



Tissue: Rat cerebellum

Section type: Formalin-fixed & Paraffin

embedded section

Retrieval method: High temperature and high pressure

Retrieval buffer: Tris/EDTA buffer, pH 9.0

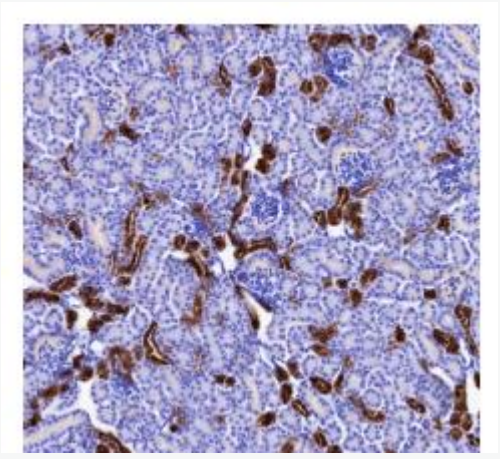
Primary Ab dilution: 1:500

Primary Ab incubation condition: 1 hour at room temperature

Secondary Ab: Anti-Rabbit and Mouse Polymer HRP (Ready to use)

Counter stain: Hematoxylin (Blue)

Comment: Color brown is the positive signal for SLM-60713R



Tissue: Mouse kidney

Section type: Formalin-fixed & Paraffin

embedded section

Retrieval method: High temperature and high pressure

Retrieval buffer: Tris/EDTA buffer, pH 9.0

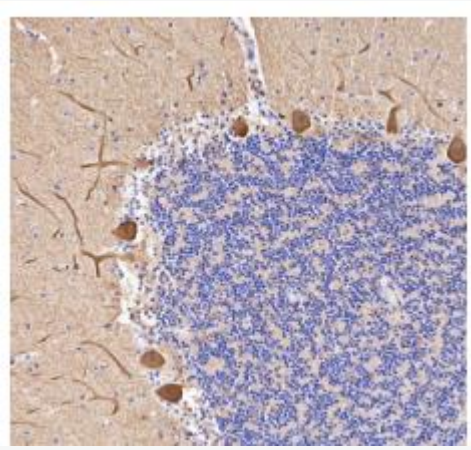
Primary Ab dilution: 1:500

Primary Ab incubation condition: 1 hour at room temperature

Secondary Ab: Anti-Rabbit and Mouse Polymer HRP (Ready to use)

Counter stain: Hematoxylin (Blue)

Comment: Color brown is the positive signal for SLM-60713R



Tissue: Human cerebellum

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Section type: Formalin-fixed & Paraffin embedded section

Retrieval method: High temperature and high pressure

Retrieval buffer: Tris/EDTA buffer, pH 9.0

Primary Ab dilution: 1:500

Primary Ab incubation condition: 1 hour at room temperature

Secondary Ab: Anti-Rabbit and Mouse Polymer HRP (Ready to use)

Counter stain:

Hematoxylin (Blue)

Comment: Color brown is the positive signal for SLM-60713R