Product Data Sheet
Anti-Calbindin Rabbit Monoclonal Antibody

Product name:	Anti-Calbindin Rabbit Monoclonal Antibody
Cat number:	MAB-94138
Conjugate:	unconjugated
Host:	Rabbit
Size:	100 µL
Synonyms:	Calbindin D28, D-28K, PCD-29, Spot 35 protein, Vitamin D-dependent calcium-binding protein, avian-type, Calb1, CAB27, CALB1, CALB, Calbindin 1
Clone:	4H7
Concentration:	1mg/ml
Isotype:	IgG
Immunogen:	Recombinant protein corresponding to Mouse Calbindin
Reactivity:	Species, Mouse, Rat, Human, Mouse, Rat
Applications:	Applications Dilution WB 1: 500-1: 1000 IHC/IF 1: 1000-1: 3000
Purification:	Affinity purification
Background:	Calbindin 1 is a protein that in humans is encoded by the CALB1 gene. The protein encoded by this gene is a member of the calcium-binding protein superfamily that includes calmodulin and troponin C. Originally described as a 27 kDa protein, it is now known to be a 28 kDa protein. It contains four active calcium-binding domains, and has two modified domains that are thought to have lost their calcium binding capability. This protein is thought to buffer entry of calcium upon stimulation of glutamate receptors. Depletion of this protein was noted in patients with Huntington disease.
Form:	Liquid
Buffer:	PBS with 0.15% ProClin300, 100 µg/mL BSA and 50% glycerol.
Storage:	Store at -20℃ for one year. Avoid repeated freeze/thaw cycles.

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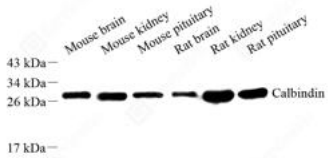
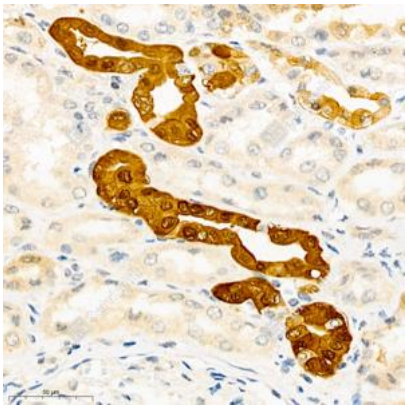
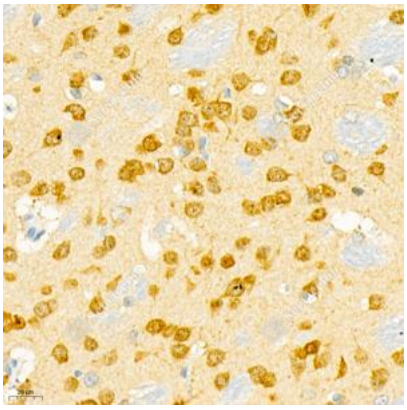


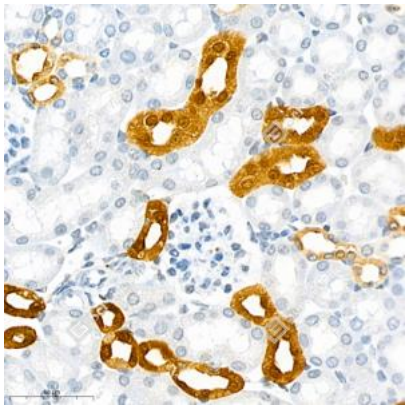
WB analysis of Calbindin.Sample: Protein treated by RIPA Lysis Buffer .Blocking buffer: 3% Nonfat dry milk in TBST, RT, 1h.Primary antibody: 1: 500, 4℃ overnight.Secondary antibody: HRP conjugated Goat Anti-Rabbit lgG , 1: 5000, RT, 1h.



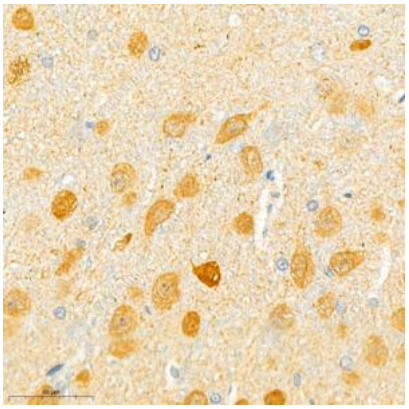
IHC analysis of Calbindin.Sample: Human renal cancer, 4% PFA 12-24h.Antigen retrieval: Citrate buffer , 98℃, 20 min.Primary antibody: 1: 1000, 4℃ overnight.Secondary antibody: HRP conjugated Goat Anti-Rabbit lgG , 1: 200, RT, 1h.



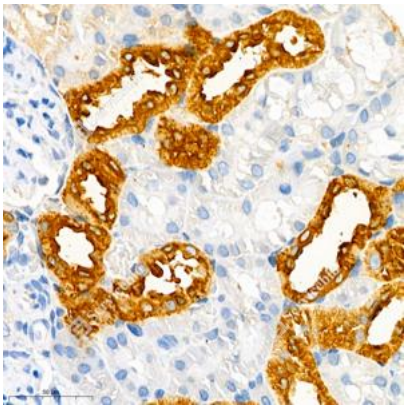
IHC analysis of Calbindin.Sample: Mouse brain, 4% PFA 12-24h.Antigen retrieval: Citrate buffer , 98℃, 20 min.Primary antibody: 1: 1000, 4℃ overnight.Secondary antibody: HRP conjugated Goat Anti-Rabbit lgG , 1: 200, RT, 1h.



IHC analysis of Calbindin.Sample: Mouse kidney, 4% PFA 12-24h.Antigen retrieval: Citrate buffer , 98℃, 20 min.Primary antibody: 1: 1000, 4℃ overnight.Secondary antibody: HRP conjugated Goat Anti-Rabbit lgG , 1: 200, RT, 1h.



IHC analysis of Calbindin.Sample: Rat brain, 4% PFA 12-24h.Antigen retrieval: Citrate buffer , 98℃, 20 min.Primary antibody: 1: 1000, 4℃ overnight.Secondary antibody: HRP conjugated Goat Anti-Rabbit lgG , 1: 200, RT, 1h.



IHC analysis of Calbindin.Sample: Rat kidney, 4% PFA 12-24h.Antigen retrieval: Citrate buffer , 98℃, 20 min.Primary antibody: 1: 1000, 4℃ overnight.Secondary antibody: HRP conjugated Goat Anti-Rabbit lgG , 1: 200, RT, 1h.

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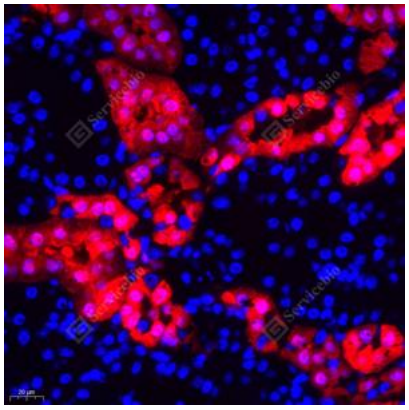
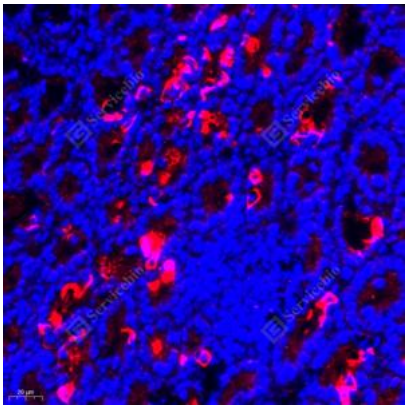
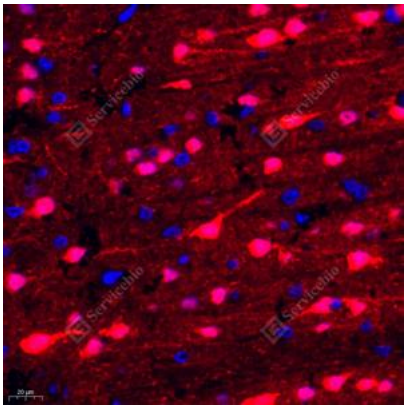


IF analysis of Calbindinred.Sample: Mouse kidney, 4% PFA 12-24h.Antigen retrieval: Tris-EDTA buffer , 98℃, 20min.Blocking buffer: 3% BSA in PBS, RT, 30min.Primary antibody: 1: 2000, 4℃ overnight.Secondary antibody: Cy3 conjugated Goat Anti-Rabbit IgG , 1: 300, RT, 1h.



IF analysis of Calbindinred.Sample: Mouse small intestine, 4% PFA 12-24h.Antigen retrieval: Tris-EDTA buffer , 98℃, 20min.Blocking buffer: 3% BSA in PBS, RT, 30min.Primary antibody: 1: 2000, 4℃ overnight.Secondary antibody: Cy3 conjugated Goat Anti-Rabbit IgG , 1: 300, RT, 1h.



IF analysis of Calbindinred.Sample: Rat brain, 4% PFA 12-24h.Antigen retrieval: Tris-EDTA buffer , 98℃, 20min.Blocking buffer: 3% BSA in PBS, RT, 30min.Primary antibody: 1: 2000, 4℃ overnight.Secondary antibody: Cy3 conjugated Goat Anti-Rabbit IgG , 1: 300, RT, 1h.