

bs-3758R**[Primary Antibody]****CALB1 Rabbit pAb****Bioss**
ANTIBODIES

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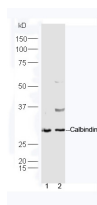
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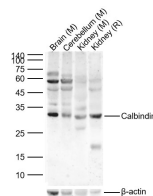
400-901-9800

DATASHEET**Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 793**SWISS:** P05937**Target:** CALB1**Immunogen:** KLH conjugated synthetic peptide derived from human Calbindin D28k: 101-200/261.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

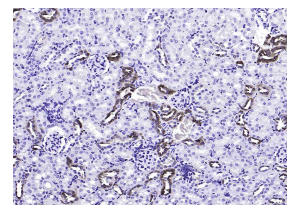
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: 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]**Applications:** WB (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**ICC/IF** (1:50-200)**Reactivity:** Human, Mouse, Rat
(predicted: Rabbit, Pig, Cow, Dog, Horse)**Predicted MW.:** 29 kDa**Observed MW.:** 29 kDa**Subcellular Location:** Cell membrane ,Cytoplasm**VALIDATION IMAGES**

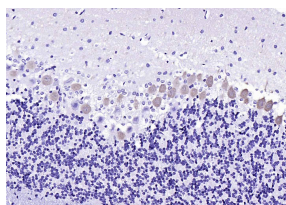
Sample: kidney (mouse) Lysate at 40 ug brain (Mouse) Lysate at 40 ug Primary: Anti-Calbindin(bs-3758R) at 1/300 dilution Secondary: HRP conjugated Goat-Anti-rabbit IgG(bs-0295G-HRP) at 1: 5000; Predicted band size: 29 kD Observed band size: 29 kD



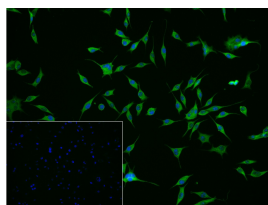
Sample: Lane 1: Mouse Brain Lysates Lane 2: Mouse Cerebellum Lysates Lane 3: Mouse Kidney Lysates Lane 4: Rat Kidney Lysates Primary: Anti-Calbindin (bs-3758R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 29kDa Observed band size: 29kDa



Paraformaldehyde-fixed, paraffin embedded Mouse Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CALB1 Polyclonal Antibody, Unconjugated (bs-3758R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Rat Cerebellum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CALB1 Polyclonal Antibody, Unconjugated (bs-3758R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



4% Paraformaldehyde-fixed SHSY5Y (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (Calbindin) polyclonal Antibody, unconjugated (bs-3758R) 1:50, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green, bs-0295G-FITC) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.

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

— SELECTED CITATIONS —

- **[IF=2.766]** Zhou et al. Cell-Wide DNA De-Methylation and Re-Methylation of Purkinje Neurons in the Developing Cerebellum. (2016) PLoS.One. 11:e0162063 IHC ;Mouse. 27583369