




## Product datasheet

# Anti-Calbindin antibody ab156812

★★★★★ [2 Abreviews](#) [1 References](#) [2 Images](#)

### Overview

<b>Product name</b>	Anti-Calbindin antibody
<b>Description</b>	Goat polyclonal to Calbindin
<b>Host species</b>	Goat
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human <b>Predicted to work with:</b> Cow, Dog, Pig 
<b>Immunogen</b>	Synthetic peptide: KTFVDQYGQRDDGK by a Cysteine residue linker, corresponding to internal sequence amino acids 59-72 of Human Calbindin (NP_004920.1). <div>  <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a> </div>
<b>Positive control</b>	Human Brain (Cerebellum) lysates, Mouse brain lysate, Rat brain lysate
<b>General notes</b>	<p>ab156812 overlaps EF hand 2, but not any calcium binding site.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 99% Tris buffered saline, 0.5% BSA
<b>Purity</b>	Immunogen affinity purified

<b>Purification notes</b>	ab156812 is purified from Goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Primary antibody notes</b>	ab156812 overlaps EF hand 2, but not any calcium binding site.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

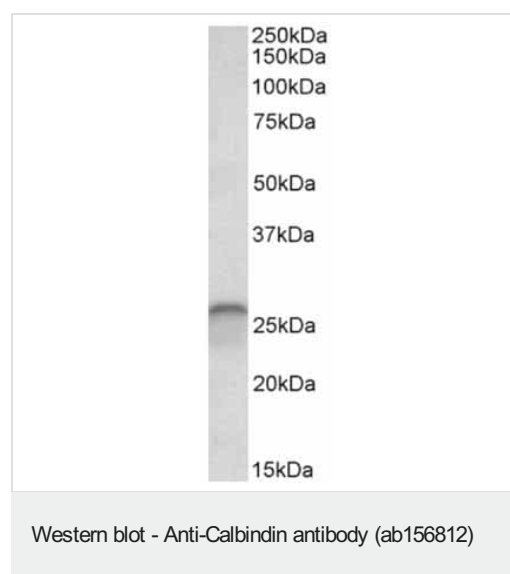
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab156812 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
<b>WB</b>		Use a concentration of 0.03 - 0.1 µg/ml. Detects a band of approximately 26 kDa (predicted molecular weight: 30 kDa). 1 hour primary incubation is recommended for this product.

## Target

<b>Function</b>	Buffers cytosolic calcium. May stimulate a membrane Ca(2+)-ATPase and a 3',5'-cyclic nucleotide phosphodiesterase.
<b>Sequence similarities</b>	Belongs to the calbindin family. Contains 5 EF-hand domains.
<b>Domain</b>	This protein has four functional calcium-binding sites; potential sites II and VI have lost affinity for calcium.

## Images

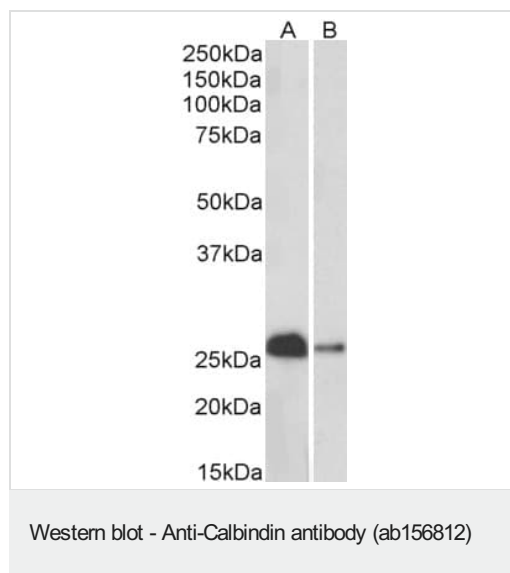


Anti-Calbindin antibody (ab156812) at 0.03 µg/ml + Human Brain Cerebellum lysate (in RIPA buffer). at 35 µg

Developed using the ECL technique.

**Predicted band size:** 30 kDa

**Observed band size:** 26 kDa



**All lanes :** Anti-Calbindin antibody (ab156812) at 0.1 µg/ml

**Lane 1 :** Mouse brain tissue lysate

**Lane 2 :** rat brain tissue lysate

Lysates/proteins at 35 µg per lane.

**Predicted band size:** 30 kDa

Primary incubation was 1 hour. Detected by chemiluminescence.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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