

Calretinin Recombinant Polyclonal Antibody (4HCLC)

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Rat
Host/Isotope	Rabbit / IgG
Class	Recombinant Polyclonal
Type	Antibody
Clone	4HCLC
Conjugate	Unconjugated
Immunogen	Recombinant protein corresponding to amino acids 1–271 of human Calretinin
Form	Liquid
Concentration	0.5 mg/mL
Purification	Protein A
Storage buffer	PBS
Contains	0.09% sodium azide
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2532738

Applications	Tested	Dilution	Published
Western Blot (WB)	✓	0.5-1 µg/mL	

Product Specific Information

This antibody is predicted to react with human based on sequence homology.

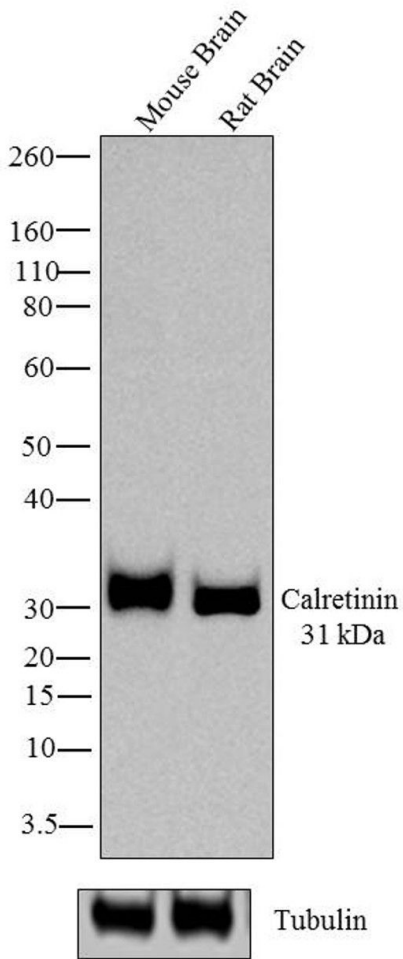
Intact IgG appears on a non-reducing gel as ~150 kDa band and upon reduction generating a ~25 kDa light chain band and a ~50 kDa heavy chain.

Recombinant rabbit polyclonal antibodies are unique offerings from Thermo Fisher Scientific. They are comprised of a selection of multiple different recombinant monoclonal antibodies, providing the best of both worlds – the sensitivity of polyclonal antibodies with the specificity of monoclonal antibodies - all delivered with the consistency only found in a recombinant antibody. While functionally the same as a polyclonal antibody – recognizing multiple epitope sites on the target and producing higher detection sensitivity for low abundance targets – a recombinant rabbit polyclonal antibody has a known mixture of light and heavy chains. The exact population can be produced in every lot, circumventing the biological variability typically associated with polyclonal antibody production.

Product Images For Calretinin Recombinant Polyclonal Antibody (4HCLC)

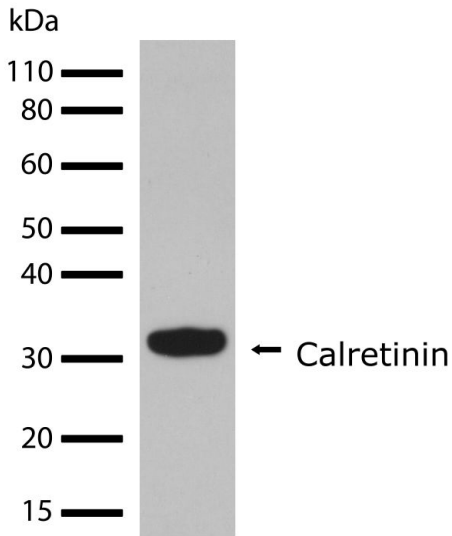
Calretinin Antibody (710559) in WB

Western blot analysis of Calretinin was performed by loading 20 µg of Mouse Brain (lane1) and Rat Brain (lane2) cell lysates using Novex®NuPAGE®4-12 % Bis-Tris gel (Product # NP0321BOX), XCell SureLock Electrophoresis System (Product # EI0002), Novex® Sharp Pre-Stained Protein Standard (LC5800), and iBlot® Dry Blotting System (IB21001). Proteins were transferred to a nitrocellulose membrane and blocked with 5 % skim milk for 1 hour at room temperature. Calretinin was detected at ~31 kDa using ABfinity Calretinin Recombinant Rabbit Oligoclonal Antibody (Product # 710559) at 0.5 µg/mL dilution in 2.5 % skim milk at 4°C overnight on a rocking platform. Goat Anti-Rabbit IgG-HRP Secondary Antibody (G21234) at 1:5000 dilution was used and chemiluminescent detection was performed using Pierce™ ECL Western Blotting Substrate (Product # 32106).



Calretinin Antibody (710559) in WB

Western blot analysis of Calretinin in whole cell extracts of mouse heart using a Calretinin recombinant rabbit oligoclonal antibody (Product # 710559) at a dilution of 1 µg/mL. Detection was performed using an HRP-conjugated goat anti-rabbit secondary antibody followed by chemiluminescence (ECL). Results show a band at ~31kDa.



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