

# BDNF Recombinant Polyclonal Antibody (19HCLC)

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse
Published Species	Rat, Human, Mouse
Host/Isotype	Rabbit / IgG
Class	Recombinant Polyclonal
Type	Antibody
Clone	19HCLC
Conjugate	Unconjugated
Immunogen	Recombinant protein corresponding to amino acids 129-247 of human BDNF
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_2532677

Applications	Tested Dilution	Publications
Western Blot (WB)	1-3 µg/mL	4 Publications

## Product Specific Information

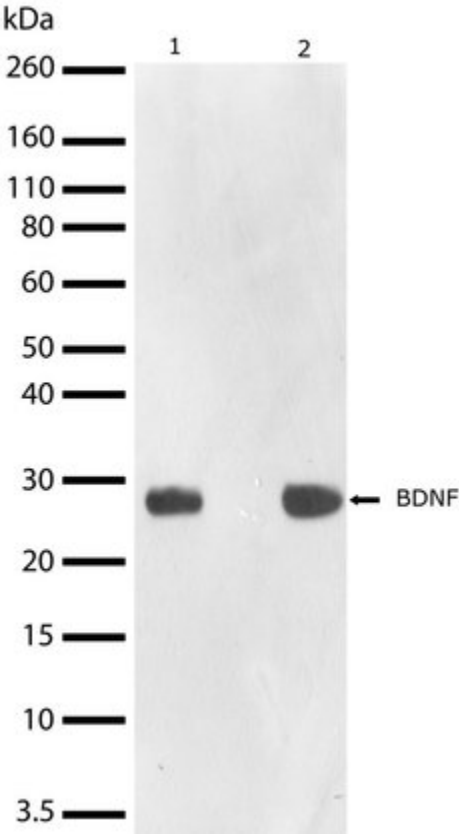
This antibody is predicted to react with non-human primate, rat and rabbit based on sequence homology.

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 BDNF Recombinant Polyclonal Antibody (19HCLC)

## BDNF Antibody (710306) in WB

Western blot analysis of BDNF in U87-MG lysates (lane 1), and mouse kidney lysate (lane 2) using a BDNF Recombinant Rabbit Polyclonal Antibody (Product # 710306) at a dilution of 2 µg/mL. Samples were detected using chemiluminescence (ECL). Results show a band at ~28kDa.



## 4 References

### Western Blot (4)

Frontiers in neuroscience

#### Influence of Quadrato Motor Training on Salivary proNGF and proBDNF.

"710306 was used in Western Blotting to examine the effect of Walking Training and of Quadrato Motor Training on Nerve Growth Factor and Brain-Derived Neurotrophic Factor precursors."

Authors: Caserta M, Ben-Soussan TD, Vetriani V, Venditti S, Verdone L

**Species**  
Human

**Dilution**  
1:4,000

**Year**  
2020

BMC neuroscience

#### Involvement of brain-derived neurotrophic factor (BDNF) in chronic intermittent stress-induced enhanced mechanical allodynia in a rat model of burn pain.

"710306 was used in Western Blotting to examine the effects of chronic intermittent stress on nociceptive behaviours and brain-derived nerve growth factor system in the prefrontal cortex and hypothalamus of rats with and without thermal injury."

Authors: Sosanya NM, Garza TH, Stacey W, Crimmins SL, Christy RJ, Cheppudira BP

**Species**  
Rat

**Dilution**  
Not Cited

**Year**  
2019

[View more WB references on thermofisher.com](#)

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