

# Claudin 5 Polyclonal Antibody

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse
Published Species	Dog, Rabbit, Pig, Rat, Bovine, Mouse, Human, Chicken, Xenopus
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide derived from the C-terminal region of mouse Claudin-5
Form	Liquid
Concentration	0.25 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7.4
Contains	0.1% sodium azide
Storage conditions	-20°C
RRID	AB_2533157

Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-dependent	33 Publications
Immunohistochemistry (IHC)	-	31 Publications
Immunohistochemistry (Paraffin) (IHC (P))	-	3 Publications
Immunohistochemistry (PFA fixed) (IHC (PFA))	-	1 Publication
Immunohistochemistry (Frozen) (IHC (F))	-	11 Publications
Immunohistochemistry - Free Floating (IHC (Free))	-	1 Publication
Immunocytochemistry (ICC/IF)	Assay-dependent	21 Publications
ELISA (ELISA)	Assay-dependent	-
Immunoprecipitation (IP)	-	1 Publication
Miscellaneous PubMed (Misc)	-	6 Publications

## Western Blot (33)

### Frontiers in physiology

#### Kidney Ischemia/Reperfusion Injury Induces Changes in the Drug Transporter Expression at the Blood-Brain Barrier *in vivo* and *in vitro*.

"34-1600 was used in Western Blotting to create an *in vitro* co-culture model based on human kidney cells of the proximal tubule (HK-2) and brain microvascular endothelial cells (BMEC) and use it to study the cellular mechanism of kidney and brain crosstalk in renal ischemia/reperfusion injury."

Authors: Burek M,Burmester S,Salvador E,Möller-Ehrlich K,Schneider R,Roewer N,Nagai M,Förster CY

**Species**  
Mouse

**Dilution**  
1:200

**Year**  
2020

### Frontiers in cellular neuroscience

#### Astrocytes Modify Migration of PBMCs Induced by -Amyloid in a Blood-Brain Barrier *in vitro* Model.

"34-1600 was used in Western Blotting to identify that astrocytes play a role in the modulation of leukocytes migration through the endothelial layers in the early phases of -Amyloid exposure."

Authors: Spampinato SF,Merlo S,Fagone E,Fruciano M,Barbagallo C,Kanda T,Sano Y,Purrello M,Vancheri C,Ragusa M,Sortino MA

**Species**  
Human

**Dilution**  
1:200

**Year**  
2020

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

## Immunohistochemistry (31)

### Scientific reports

#### Molecular imaging of a fluorescent antibody against epidermal growth factor receptor detects high-grade glioma.

"34-1600 was used in Immunohistochemistry to assess the feasibility of detecting HGG using near-infrared fluorescent antibody targeting EGFR."

Authors: Zhou Q,Vega Leonel JCM,Santoso MR,Wilson C,van den Berg NS,Chan CT,Aryal M,Vogel H,Cayrol R,Mandella MJ,Schonig F,Lu G,Gambhir SS,Moseley ME,Rosenthal EL,Grant GA

**Species**  
Human

**Dilution**  
1:500

**Year**  
2021

### International immunology

#### Selective expression of claudin-5 in thymic endothelial cells regulates the blood-thymus barrier and T-cell export.

"34-1600 was used in Immunohistochemistry to examine claudin expression in thymic endothelial cells to clarify a mechanism ensuring low permeability and high leakiness in cortical and medullary blood vessels."

Authors: Nagatake T,Zhao YC,Ito T,Itoh M,Kometani K,Furuse M,Saika A,Node E,Kunisawa J,Minato N,Hamazaki Y

**Species**  
Mouse

**Dilution**  
Not Cited

**Year**  
2021

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

## More applications with references on thermofisher.com

IHC (P) (3)

IHC (PFA) (1)

IHC (F) (11)

IHC (Free) (1)

ICC/IF (21)

IP (1)

Misc (6)

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