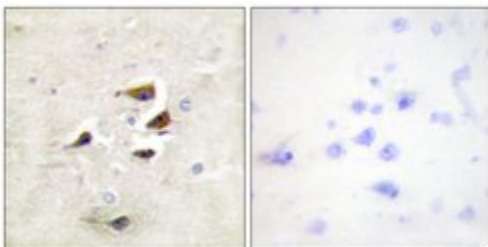


# CaMKII alpha/beta/delta Polyclonal Antibody

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Rat
Published Species	Mouse
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	A synthetic peptide derived from the internal region of human CaMK2 alpha/beta/sigma
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	Dulbecco's PBS, pH 7.4, with 150mM NaCl, 50% glycerol
Contains	0.02% sodium azide
Storage Conditions	-20°C
RRID	AB_2554841

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	2 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:100	-
Immunofluorescence (IF)	-	2 Publications

## Product Images For CaMKII alpha/beta/delta Polyclonal Antibody



### CaMKII alpha/beta/delta Antibody (PA5-38239) in IHC (P)

Immunohistochemical analysis of CaM Kinase II alpha + beta + delta in paraffin-embedded human brain tissue using a CaM Kinase II alpha + beta + delta polyclonal antibody (Product # PA5-38239).

Immunohistochemistry (2)

Nature communications

**Layer-specific optogenetic activation of pyramidal neurons causes beta-gamma entrainment of neonatal networks.**

"PA538239 was used in immunohistochemistry to develop a protocol combining optogenetics with electrophysiological recordings from neonatal mice in vivo to assess the substrate of early network oscillations in the prefrontal cortex"

Authors: Bitzenhofer SH,Ahlbeck J,Wolff A,Wiegert JS,Gee CE,Oertner TG,Hanganu-Opatz IL

**Species**  
Mouse  
Not Applicable

**Dilution**  
1:200  
Not Cited

**Year**  
2017

Neuron

**Resolving and Rescuing Developmental Miswiring in a Mouse Model of Cognitive Impairment.**

"PA5-38239 was used in Immunohistochemistry to report that pyramidal neurons in superficial layers of the prefrontal cortex are key elements causing disorganized oscillatory entrainment of local circuits in beta-gamma frequencies."

Authors: Chini M,Pöpplau JA,Lindemann C,Carol-Perdiguer L,Hnida M,Oberländer V,Xu X,Ahlbeck J,Bitzenhofer SH,Mulert C,Hanganu-Opatz IL

**Species**  
Mouse

**Dilution**  
1:200

**Year**  
2020

Immunofluorescence (2)

Frontiers in cellular neuroscience

**Methodological Approach for Optogenetic Manipulation of Neonatal Neuronal Networks.**

"Published figure using CaMKII alpha/beta/delta polyclonal antibody (Product # PA5-38239) in Immunofluorescence"

Authors: Bitzenhofer SH,Ahlbeck J,Hanganu-Opatz IL

**Species**  
Not Applicable

**Dilution**  
Not Cited

**Year**  
2020

Nature communications

**Layer-specific optogenetic activation of pyramidal neurons causes beta-gamma entrainment of neonatal networks.**

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**Species**  
Mouse  
Not Applicable

**Dilution**  
1:200  
Not Cited

**Year**  
2017

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