

# GluR1 Polyclonal Antibody

| Product Details    |   |
|--------------------|---|
| Size               | 500 µL  |
| Species Reactivity | Human   |
| Published Species  | Rat, Mouse, Human                                 |
| Host/Isotype       | Rabbit / IgG                                      |
| Class              | Polyclonal  |
| Type               | Antibody  |
| Conjugate          | Unconjugated                                      |
| Immunogen          | Synthetic peptide from C-terminus of human GluR1. |
| Form               | Liquid  |
| Purification       | Antigen affinity chromatography                   |
| Storage buffer     | PBS, pH 7.6, with 1% BSA                          |
| Contains           | 0.1% sodium azide                                 |
| Storage conditions | -20° C, Avoid Freeze/Thaw Cycles                  |
| RRID               | AB_2549895  |

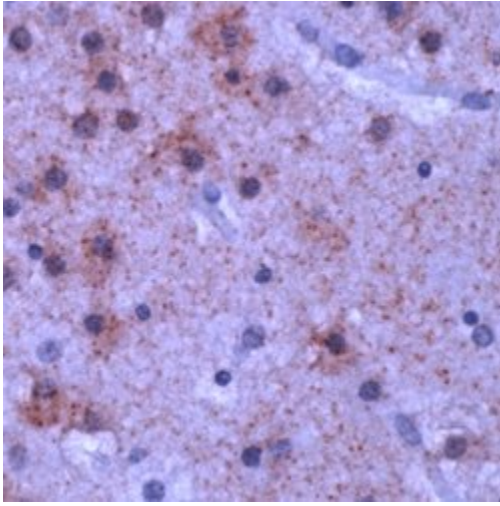
| Applications                              | Tested Dilution | Publications    |
|---|-----------------|-----------------|
| Western Blot (WB)                         | -               | 13 Publications |
| Immunohistochemistry (IHC)                | -               | 1 Publication   |
| Immunohistochemistry (Paraffin) (IHC (P)) | 1:50            | -               |

## Product Specific Information

This antibody is predicted to react with chicken, mouse and rat based on sequence homology.

Heat-mediated antigen retrieval is recommended prior to staining, using a 10mM citrate buffer, pH 6.0, for 10 minutes followed by cooling at room temperature for 20 min. Following antigen retrieval, incubate samples with primary antibody for 10 min at room temperature. A suggested positive control is brain tissue.

## Product Images For GluR1 Polyclonal Antibody



### **GluR1 Antibody (PA5-32425) in IHC**

Immunohistochemical analysis of GluR1 using anti-GluR1 Polyclonal Antibody (Product # PA5-32425) in Brain Tissue. The recommended dilution for this antibody in immunohistochemistry applications is 1:50.

## 14 References

### Western Blot (13)

#### Neuropharmacology

#### AMPA receptor upregulation in the nucleus accumbens shell of cocaine-sensitized rats depends upon S-nitrosylation of stargazin.

"PA1-37776 was used in western blot to study the role of stargazin N-nitrosylation in the upregulation of the AMPA receptor in the nucleus accumbens shell of cocaine-sensitized rats"

Authors: Selvakumar B,Campbell PW,Milovanovic M,Park DJ,West AR,Snyder SH,Wolf ME

**Species**  
Rat

**Dilution**  
1:1000

**Year**  
2014

#### Neuroscience letters

#### Distribution of AMPA receptor subunits and TARPs in synaptic and extrasynaptic membranes of the adult rat nucleus accumbens.

"PA1-37776 was used in western blot to study the expression of AMPA receptors and transmembrane AMPA receptor regulatory proteins in adult rat nucleus accumbens"

Authors: Ferrario CR,Loweth JA,Milovanovic M,Wang X,Wolf ME

**Species**  
Mouse

**Dilution**  
1:1000

**Year**  
2011

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

### Immunohistochemistry (1)

#### Neuropharmacology

#### Alterations in AMPA receptor subunits and TARPs in the rat nucleus accumbens related to the formation of Ca<sup>2+</sup>-permeable AMPA receptors during the incubation of cocaine craving.

"PA1-37776 was used in immunohistochemistry to investigate the mechanism for the incubation of cocaine craving"

Authors: Ferrario CR,Loweth JA,Milovanovic M,Ford KA,Galiñanes GL,Heng LJ,Tseng KY,Wolf ME

**Species**  
Human

**Dilution**  
1:1000

**Year**  
2011

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