

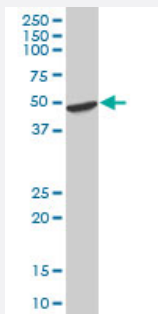
MaxPab®

# HOMER2 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00009455-B01P

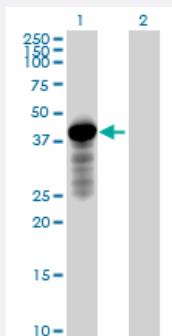
Size 50 ug

## Applications



### Western Blot (Tissue lysate)

HOMER2 MaxPab polyclonal antibody. Western Blot analysis of HOMER2 expression in rat brain.



### Western Blot (Transfected lysate)

Western Blot analysis of HOMER2 expression in transfected 293T cell line ([H00009455-T01](#)) by HOMER2 MaxPab polyclonal antibody.

Lane 1: HOMER2 transfected lysate(37.73 KDa).

Lane 2: Non-transfected lysate.

## Specification

### Product Description

Mouse polyclonal antibody raised against a full-length human HOMER2 protein.

### Immunogen

HOMER2 (NP\_004830.2, 1 a.a. ~ 343 a.a) full-length human protein.

### Sequence

MGEQPIFTTRAHVVFQIDPNTKKNWMPASKQAVTVSYFYDVTRNSYRIISVDGAKVIINSTITPNMTFT  
KTSQKFGQWADSRANTVFLGLFSSEQQLTKFAEKFEVKEAAKAKDKTQEKIETSSNHSQASS  
VNGTDDEKASHAGPANTHLKSENDKLIKIALTQSAANVKKWEIELQTLRESNARLTALQESAASV  
EQWKRQFSICRDENDRLRNKIDEEQCSEINREKEKNTQLKRRIEELEAELREKETELKDLRKQS  
EIPQLMSECEYVSEKLEAAERDQNQLEDKVRSLKTDIEESKYRQRHLKVELKSFLVLDGKIDDL  
HDFRRGLSKLGTDN

### Host

Mouse

|                               |                                                                          |
|-------------------------------|--------------------------------------------------------------------------|
| Reactivity                    | Human, Rat                                                               |
| Interspecies Antigen Sequence | Mouse (91); Rat (92)                                                     |
| Quality Control Testing       | Antibody reactive against mammalian transfected lysate.                  |
| Storage Buffer                | In 1x PBS, pH 7.4                                                        |
| Storage Instruction           | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

## Applications

- Western Blot (Tissue lysate)

HOMER2 MaxPab polyclonal antibody. Western Blot analysis of HOMER2 expression in rat brain.

[Protocol Download](#)

- Western Blot (Transfected lysate)

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[Protocol Download](#)

## Gene Info — HOMER2

|                     |                                              |
|---------------------|----------------------------------------------|
| Entrez GeneID       | <a href="#">9455</a>                         |
| GeneBank Accession# | <a href="#">NM_004839.2</a>                  |
| Protein Accession#  | <a href="#">NP_004830.2</a>                  |
| Gene Name           | HOMER2                                       |
| Gene Alias          | ACPD, CPD, HOMER-2, HOMER2A, HOMER2B, Vesl-2 |
| Gene Description    | homer homolog 2 (Drosophila)                 |
| Omim ID             | <a href="#">604799</a>                       |
| Gene Ontology       | <a href="#">Hyperlink</a>                    |

**Gene Summary**

This gene encodes a member of the homer family of dendritic proteins. Members of this family regulate group 1 metabotropic glutamate receptor function. The encoded protein may be involved in cell growth. Four transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq]

**Other Designations**

cupidin|homer 2|homer homolog 3|homer, neuronal immediate early gene, 2

**Publication Reference**

- [CaMKII modulates diacylglycerol lipase- \$\alpha\$  activity in the rat nucleus accumbens after incubation of cocaine craving.](#)

Conor H Murray, Andrew D Gaulden, Alex B Kawa, Mike Milovanovic, Aaron J Caccamise, Jonathan R Funke, Sachin Patel, Marina E Wolf.

eNeuro 2021 Oct; 8(5).

Application: WB-Ti, Rat, Rat nucleus accumbens

- [mGlu5 function in the nucleus accumbens core during the incubation of methamphetamine craving.](#)

Conor H Murray, Daniel T Christian, Mike Milovanovic, Jessica A Loweth, Eun-Kyung Hwang, Aaron J Caccamise, Jonathan R Funke, Marina E Wolf.

Neuropharmacology 2021 Jan; 186:108452.

Application: WB-Ti, Rat, Rat brain, Rat nucleus accumbens

- [AAMPA receptor and metabotropic glutamate receptor 1 adaptations in the nucleus accumbens core during incubation of methamphetamine craving.](#)

Murray CH, Loweth JA, Milovanovic M, Stefanik MT, Caccamise AJ, Dolubinz H, Funke JR, Foster Olive M, Wolf ME.

Neuropsychopharmacology: Official Publication of the American College of Neuropsychopharmacology 2019 Aug; 44(9):1534.

Application: WB-Ti, Rat, Rat brains

- [mGluR5 upregulation and the effects of repeated methamphetamine administration and withdrawal on the rewarding efficacy of ketamine and social interaction.](#)

Liao YH, Wang YH, Sun LH, Deng WT, Lee HT, Yu L.

Toxicology and Applied Pharmacology 2018 Dec; 360:58.

Application: WB-Ti, Mouse, Mouse brains

- [Synaptic depression via mGluR1 positive allosteric modulation suppresses cue-induced cocaine craving.](#)

Loweth JA, Scheyer AF, Milovanovic M, Lacrosse AL, Flores-Barrera E, Werner CT, Li X, Ford KA, Le T, Olive MF, Szumlinski KK, Tseng KY, Wolf ME.

Nature Neuroscience 2014 Jan; 17(1):73.

Application: WB-Ti, Rat, Nucleus accumbens

## Disease

- [Alcoholism](#)
- [Cocaine-Related Disorders](#)
- [Genetic Predisposition to Disease](#)
- [Mental Disorders](#)
- [Schizophrenia](#)