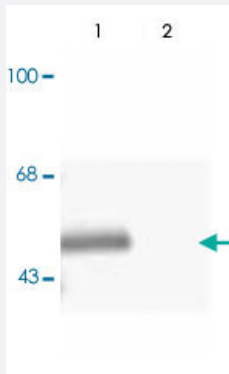


# Gabra3 polyclonal antibody

Catalog # PAB9678      Size 100 uL

## Applications



### Western Blot (Tissue lysate)

Western blot of mouse brain lysates from wild type (Control, lane 1) and Gabra3 knockout (alpha K/O, lane 2) animals showing specific immunolabeling of the ~51k Gabra3 subunit of the GABAA-R. The labeling was absent from a lysate prepared from Gabra3 knockout animals.

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against partial recombinant Gabra3.
<b>Immunogen</b>	Recombinant protein corresponding to N-terminus rat Gabra3.
<b>Host</b>	Rabbit
<b>Theoretical MW (kDa)</b>	51
<b>Reactivity</b>	Mouse, Rat
<b>Form</b>	Liquid
<b>Purification</b>	Affinity purification
<b>Quality Control Testing</b>	Antibody Reactive Against Recombinant Protein.
<b>Recommend Usage</b>	Western Blot (1:1000) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In 10 mM HEPES, 150 mM NaCl, pH 7.5 (50% glycerol, 10% BSA)

**Storage Instruction**

Store at -20°C.  
Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Tissue lysate)

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## Gene Info — Gabra3

Entrez GeneID	<a href="#">24947</a>
Protein Accession#	<a href="#">P20236</a>
Gene Name	Gabra3
Gene Alias	-
Gene Description	gamma-aminobutyric acid (GABA) A receptor, alpha 3
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	O
Other Designations	GABA-A receptor alpha-3 subunit Gamma-animobutyric acid (GABA) A receptor alpha 3 Gamma-animobutyric acid (GABA) A receptor, alpha 3 gamma-aminobutyric acid (GABA-A) receptor, subunit alpha 3 gamma-aminobutyric acid receptor, subunit alpha 3

## Publication Reference

- [Affinity of various benzodiazepine site ligands in mice with a point mutation in the GABA\(A\) receptor gamma2 subunit.](#)

Ogris W, Poltl A, Hauer B, Ernst M, Oberto A, Wulff P, Hoger H, Wisden W, Sieghart W.

Biochemical Pharmacology 2004 Oct; 68(8):1621.

- [Sedative but not anxiolytic properties of benzodiazepines are mediated by the GABA\(A\) receptor alpha1 subtype.](#)

McKernan RM, Rosahl TW, Reynolds DS, Sur C, Wafford KA, Atack JR, Farrar S, Myers J, Cook G, Ferris P, Garrett L, Bristow L, Marshall G, Macaulay A, Brown N, Howell O, Moore KW, Carling RW, Street LJ, Castro JL, Ragan CI, Dawson GR, Whiting PJ.

Nature Neuroscience 2000 Jun; 3(6):587.

- [Prevalence of the GABAA receptor assemblies containing alpha1-subunit in the rat cerebellum and cerebral cortex as determined by immunoprecipitation: lack of modulation by chronic ethanol administration.](#)

Mehta AK, Ticku MK.

Brain Research. Molecular Brain Research 1999 Apr; 67(1):194.

Application: IHC, WB-Ti, Rat, Rat cerebral cortex