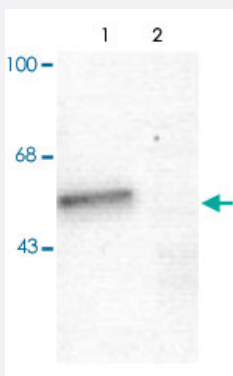


Gabra1 polyclonal antibody

Catalog # PAB9624

Size 100 uL

Applications



Western Blot (Tissue lysate)

Western blot of mouse forebrain lysates from Wild Type (Control, lane 1) and Gabra1 knockout (Gabra1-K/O, lane 2) animals showing specific immunolabeling of the ~51 alpha1-subunit of the Gabra1. The labeling was absent from a lysate prepared from Gabra1 knockout animals.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of Gabra1.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus rat Gabra1.
Host	Rabbit
Theoretical MW (kDa)	51
Reactivity	Bovine, Dog, Human, Mouse, Primates, Rat
Form	Liquid
Purification	Affinity purification
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	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)

Western blot of mouse forebrain lysates from Wild Type (Control, lane 1) and Gabra1 knockout (Gabra1-K/O, lane 2) animals showing specific immunolabeling of the ~51 alpha1-subunit of the Gabra1. The labeling was absent from a lysate prepared from Gabra1 knockout animals.

Gene Info — Gabra1

Entrez GeneID	29705
Protein Accession#	P62813
Gene Name	Gabra1
Gene Alias	-
Gene Description	gamma-aminobutyric acid (GABA) A receptor, alpha 1
Gene Ontology	Hyperlink
Gene Summary	O
Other Designations	gamma-aminobutyric acid A receptor, alpha 1 gamma-aminobutyric acid (GABA-A) receptor, sub unit alpha 1 gamma-aminobutyric acid A receptor, alpha 1

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.

- [Subunit composition and quantitative importance of GABA\(A\) receptor subtypes in the cerebellum of mouse and rat.](#)

Poltl A, Hauer B, Fuchs K, Tretter V, Sieghart W.
Journal of Neurochemistry 2003 Dec; 87(6):1444.

- [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.