anti-LGI 1

Cat #: HM1212
Goat polyclonal IgG
0.2 μg/μ, store at 4 °C

For research use only

BACKGROUND
The leucine-rich glioma inactivated -1 gene (LGI1) is localized in a portion of chromosome 10 that exhibits high frequency of deletion in human glioma. It was identified as a candidate tumor suppressor gene. LGI1 shares homology with several transmembrane and extracellular proteins that function as receptors and adhesion proteins. It contains a hydrophobic segment representing a putative transmembrane domain with the amino terminus located outside the cell. It also contains leucine-rich repeats with conserved cysteine-rich flanking sequences. LGI1 is highly expressed in neural tissues and its expression is reduced in low grade brain tumors and significantly reduced or absent in malignant gliomas. Mutation in its gene causes autosomal-dominant partial epilepsy with auditory features.

SPECIFICITY
This antibody specifically recognizes LGI1 of human, mouse and rat origin.

The antibody can be used in Western blotting, immunoprecipitation and immunstaining.

IMMUNOGEN
A peptide mapping at the N terminus of LGI1 of human origin.

STORAGE
This antibody is stable for 12 months when stored at 2-8°C.

REFERENCE

1. Bigner, S.H., Mark, J., Burger, P.C., Mahaley, M.S. Jr., Bullard, D.E., Muhlbaier, L.H., and Bigner, D.D. 1988. Specific chromosomal abnormalities in malignant human gliomas. Cancer Res. 48: 405-411.
2. Chernova, O.B., Somerville, R.P., and Cowell, J.K. 1998. A novel gene, LGI1, from 10q24 is rearranged and downregulated in malignant brain tumors. Oncogene 17: 2873-2881.
3. Kalachikov et al. (2002) Mutations in LGI1 cause autosomal-dominant partial epilepsy with auditory features. Nat Genet. 30:335-41.
4. Kunapuli,P., Chitta,K.S. and Cowell,J.K. (2003) Suppression of the cell proliferation and invasion phenotypes in glioma cells by the LGI1 gene. Oncogene 22, 3985-3991

PRODUCTS FROM HYPROMATRIX, INC.

A. AntibodyArray™s:
1. Signal Transduction AntibodyArray™
   Catalog Number HM3000
2. Apoptosis AntibodyArray™
   Catalog Number HM4000
3. Cell Cycle AntibodyArray™
   Catalog Number HM5000

B. Staining AntibodyArray™s
1. Staining AntibodyArray™ I
   Catalog Number HM8100
2. AntibodyArray Staining Apparatus
   Catalog Number HM8000

C. Antibodies
1. HRP-conjugated antibodies
- anti-phosphotyrosine
  Catalog Number HM2040
- anti-phosphoserine
  Catalog Number HM2070
- anti-phosphothreonine
  Catalog Number HM2090

and more…

2. Primary antibodies
Hypromatrix offers a variety of high quality antibodies. For a complete list of antibodies and their specificities, please visit our web site at www.hypromatrix.com.

CONTACT

Hypromatrix, Inc.
100 Barber Avenue
Worcester, MA 01606
USA

Tel: 508-856-7900
Fax: 508-302-0748
Email: contact@hypromatrix.com
Web: www.hypromatrix.com