

## Goat anti-GABRA4 Antibody

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| <b>Item Number</b>     | dAP-1698   |
| <b>Target Molecule</b> | Principle Name: GABRA4; Official Symbol: GABRA4; All Names and Symbols: GABRA4; gamma-aminobutyric acid (GABA) A receptor, alpha 4; gamma-aminobutyric acid A receptor, alpha 4; Accession Number (s): NP_000800.2; Human Gene ID(s): 2557; Non-Human GeneID(s):                         |
| <b>Immunogen</b>       | EKAKRKTSKPPQE, is from internal region   |
| <b>Applications</b>    | Pep ELISA, WB, IHC<br>Species Tested: Human  |
| <b>Purification</b>    | Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.  |
| <b>Supplied As</b>     | lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.<br>Aliquot and store at -20°C. Minimize freezing and thawing. |
| <b>Peptide ELISA</b>   | Peptide ELISA: antibody detection limit dilution 1 to 16000.   |
| <b>Western Blot</b>    | Western Blot: Approx. 70kDa band observed in Human Brain (Cerebellum and Frontal Cortex) lysates (calculated MW of 61.6kDa according to NP_000800.2). Recommended concentration: 0.1-0.3µg/ml.   |
| <b>IHC</b>             | Immunohistochemistry: In paraffin embedded Human Cortex shows patchy staining near or at the neuronal cell membrane.. Recommended concentration, 2-4µg/ml.   |
| <b>Reference</b>       | Reference(s): Ma DQ, Whitehead PL, Menold MM, Martin ER, Ashley-Koch AE, Mei H, Ritchie MD, DeLong GR, Abramson RK, Wright HH, Cuccaro ML, Hussman JP, Gilbert JR, Pericak-Vance MA. Identification of significant association and gene-gene interaction of GABA                         |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**