

Datasheet for ABIN1944817

**anti-Metabotropic Glutamate Receptor 6 antibody****2** Images**3** Publications[Go to Product page](#)

## Overview

|              |  |
|--------------|--|
| Quantity:    | 100 µg   |
| Target:      | Metabotropic Glutamate Receptor 6 (GRM6)                         |
| Reactivity:  | Human  |
| Host:        | Rabbit   |
| Clonality:   | Polyclonal   |
| Conjugate:   | This Metabotropic Glutamate Receptor 6 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC)                |

## Product Details

|          |      |
|----------|------|
| Isotype: | IgG1 |
|----------|------|

## Target Details

|                   |  |
|-------------------|--|
| Target:           | Metabotropic Glutamate Receptor 6 (GRM6)   |
| Alternative Name: | mGluR6 ( <a href="#">GRM6 Products</a> )   |
| Background:       | G-protein coupled receptor for glutamate. Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of down-stream effectors, such as adenylate cyclase. Signaling inhibits adenylate cyclase activity (By similarity). Signaling stimulates TRPM1 channel activity and Ca(2+) uptake. Required for normal vision. |
| Molecular Weight: | 95468 Da   |
| Gene ID:          | 2916   |

## Target Details

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UniProt: [O15303](#)

## Application Details

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Application Notes: WB: 1:1000. IHC: 1:50-1:100

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: Rabbit IgG in phosphate buffered saline (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150mM NaCl, 0.02 % sodium azide and 50 % glycerol.

Preservative: Sodium azide

Precaution of Use: WARNING: Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute azide-containing compounds in running water before discarding to avoid accumulation of potentially explosive deposits in lead or copper plumbing.

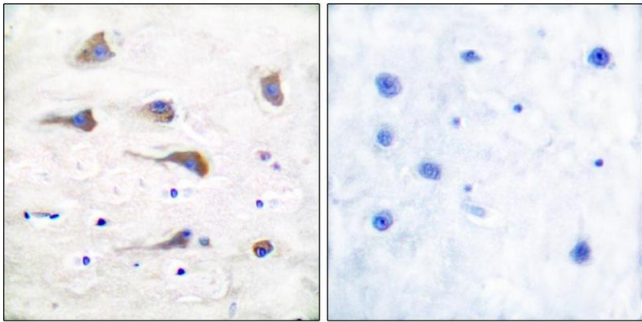
Storage: 4 °C, -20 °C

## Publications

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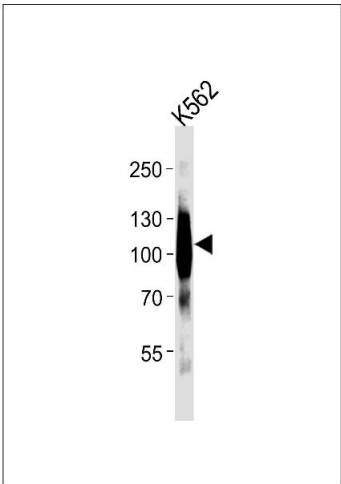
Product cited in: McPherson, Baichwal, Weigel: "Identification of ERF-1 as a member of the AP2 transcription factor family." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 94, Issue 9, pp. 4342-7, (1997) ([PubMed](#)).

Williamson, Boshier, Skinner, Sheer, Williams, Hurst: "Chromosomal mapping of the human and mouse homologues of two new members of the AP-2 family of transcription factors." in: **Genomics**, Vol. 35, Issue 1, pp. 262-4, (1996) ([PubMed](#)).



### Immunohistochemistry

**Image 1.** Immunohistochemical analysis of paraffin-embedded human brain tissue using GluR6 antibody.



### Western Blotting

**Image 2.** Western blot analysis of lysates from K562 cell line ,using mGluR6 Antibody (ABIN483908 and ABIN1533291). ABIN483908 and ABIN1533291 was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.Lysates at 35  $\mu$  g.