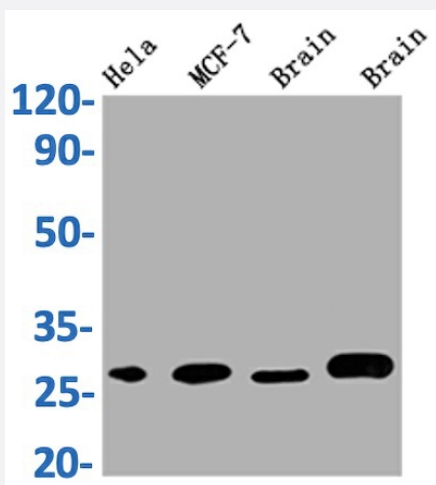


RecomAb™

# GRB2 recombinant monoclonal antibody, clone 6E1

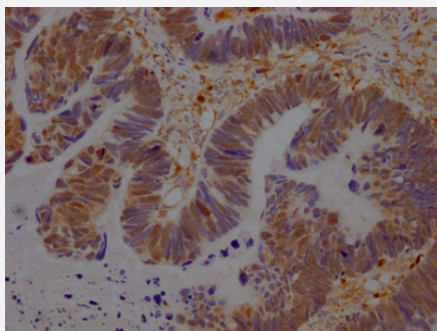
Catalog # RAB04159      Size 100 uL

## Applications



### Western Blot

Western Blot analysis of Lane 1: HeLa whole cell lysate; Lane 2: MCF-7 whole cell lysate; Lane 3: Mouse Brain whole cell lysate; Lane 4: Rat Brain whole cell lysate.



### Immunohistochemistry

Immunohistochemistry image of GRB2 recombinant monoclonal antibody, clone 6E1 diluted at 1:100 and staining in paraffin-embedded human ovarian cancer performed on a Leica Bond™ system.

## Specification

|                     |                                                                                                  |
|---------------------|--------------------------------------------------------------------------------------------------|
| Product Description | Rabbit recombinant monoclonal antibody raised against human, mouse and rat GRB2.                 |
| Antibody Species    | Rabbit                                                                                           |
| Immunogen           | Original antibody is raised against recombinant protein corresponding to full length human GRB2. |
| Reactivity          | Human, Mouse, Rat                                                                                |

|                     |                                                                                                                                                 |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Form                | Liquid                                                                                                                                          |
| Purification        | Affinity-chromatography                                                                                                                         |
| Isotype             | IgG                                                                                                                                             |
| Recommend Usage     | ELISA<br>Immunohistochemistry (1:50-1:200)<br>Western Blot (1:500-1:5000)<br>The optimal working dilution should be determined by the end user. |
| Storage Buffer      | In PBS, pH7.4 (150 mM NaCl, 50% glycerol and 0.02% sodium azide)                                                                                |
| Storage Instruction | Store at -20°C or -80°C.<br>Aliquot to avoid repeated freezing and thawing.                                                                     |
| Note                | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                          |

## Applications

- Western Blot

Western Blot analysis of Lane 1: Hela whole cell lysate; Lane 2: MCF-7 whole cell lysate; Lane 3: Mouse Brain whole cell lysate; Lane 4: Rat Brain whole cell lysate.

- Immunohistochemistry

Immunohistochemistry image of GRB2 recombinant monoclonal antibody, clone 6E1 diluted at 1:100 and staining in paraffin-embedded human ovarian cancer performed on a Leica Bond™ system.

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — GRB2

|                    |                                           |
|--------------------|-------------------------------------------|
| Entrez GeneID      | <a href="#">2885</a>                      |
| Protein Accession# | <a href="#">P62993</a>                    |
| Gene Name          | GRB2                                      |
| Gene Alias         | ASH, EGFRBP-GRB2, Grb3-3, MST084, MSTP084 |
| Gene Description   | growth factor receptor-bound protein 2    |
| Omim ID            | <a href="#">108355</a>                    |

## Gene Ontology

[Hyperlink](#)

## Gene Summary

The protein encoded by this gene binds the epidermal growth factor receptor and contains one SH2 domain and two SH3 domains. Its two SH3 domains direct complex formation with proline-rich regions of other proteins, and its SH2 domain binds tyrosine phosphorylated sequences. This gene is similar to the Sem5 gene of C.elegans, which is involved in the signal transduction pathway. Two alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

## Other Designations

HT027|OTTHUMP00000166096|OTTHUMP00000166097|OTTHUMP00000166098|abundant SRC homology|epidermal growth factor receptor-binding protein GRB2|growth factor receptor-bound protein 3

## Pathway

- [Acute myeloid leukemia](#)
- [B cell receptor signaling pathway](#)
- [Chemokine signaling pathway](#)
- [Chronic myeloid leukemia](#)
- [Colorectal cancer](#)
- [Dorso-ventral axis formation](#)
- [Endometrial cancer](#)
- [ErbB signaling pathway](#)
- [Fc epsilon RI signaling pathway](#)
- [Focal adhesion](#)
- [Gap junction](#)
- [Glioma](#)
- [GnRH signaling pathway](#)
- [Insulin signaling pathway](#)
- [Jak-STAT signaling pathway](#)
- [MAPK signaling pathway](#)
- [Natural killer cell mediated cytotoxicity](#)

- [Neurotrophin signaling pathway](#)
- [Non-small cell lung cancer](#)
- [Pathways in cancer](#)
- [Prostate cancer](#)
- [Renal cell carcinoma](#)
- [T cell receptor signaling pathway](#)

## Disease

- [Alzheimer disease](#)
- [Anorexia Nervosa](#)
- [Bulimia](#)
- [Cardiovascular Diseases](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Osteoporosis](#)
- [Tobacco Use Disorder](#)