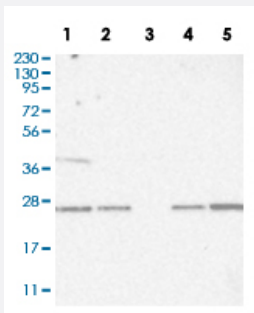


GRB2 polyclonal antibody

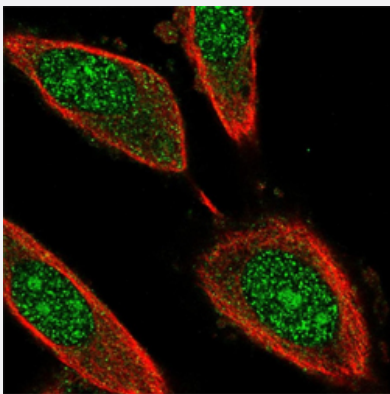
Catalog # PAB31095 Size 100 uL

Applications



Western Blot

Western Blot analysis of (1) Human RT-4 cell, (2) Human U-251MG cell, (3) Human plasma, (4) Human liver tissue, (5) Human tonsil tissue.



Immunofluorescence

Immunofluorescent staining of PC-3 cell line with antibody shows positivity in nucleus and nucleoli (green).

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human GRB2.
Immunogen	Recombinant protein corresponding to human GRB2.
Sequence	KVLRDGAGKYFLWVVKFNSLNELVDYHRSTSVSRNQQIFLRDIEQVPQQPT
Host	Rabbit
Reactivity	Human
Form	Liquid

Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Western Blot (1:100-250) Immunofluorescence (1-4 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. 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 (1) Human RT-4 cell, (2) Human U-251MG cell, (3) Human plasma, (4) Human liver tissue, (5) Human tonsil tissue.

- Immunofluorescence

Immunofluorescent staining of PC-3 cell line with antibody shows positivity in nucleus and nucleoli (green).

Gene Info — GRB2

Entrez GeneID	2885
Protein Accession#	P62993
Gene Name	GRB2
Gene Alias	ASH, EGFRBP-GRB2, Grb3-3, MST084, MSTP084
Gene Description	growth factor receptor-bound protein 2
Omim ID	108355
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](#)