



Anti-GRB2 (full length) polyclonal antibody (DPAB-DC1450)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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| Antigen Description | 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. |
| Immunogen | GRB2 (AAH00631, 1 a.a. ~ 217 a.a) full-length recombinant protein with GST tag. The sequence is MEAIKYDFKATADDELSFKRGDILKVLNEECDQNWYKAELNGKDGFIKKNYIEMKPHPW FFGKIPRAKAEEMLSKQRHDGAFLIRESESAPGDFSLSVKFGNDVQHFKVLRDGAGKYFL WVVKFNSLNLVDYHRSTSVSRNQIFLRDIEQVPQQPTYVQALFDFDPQEDGELGFRRG DFIHVMDNSDPNWWKGACHGQTGMFPRNYVTPVNRNV |
| Source/Host | Mouse |
| Species Reactivity | Human |
| Conjugate | Unconjugated |
| Applications | ELISA, |
| Size | 50 µl |
| Buffer | 50 % glycerol |
| Preservative | None |
| Storage | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

GENE INFORMATION

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| Gene Name | GRB2 growth factor receptor-bound protein 2 [Homo sapiens (human)] |
| Official Symbol | GRB2 |
| Synonyms | GRB2; growth factor receptor-bound protein 2; ASH; Grb3-3; MST084; NCKAP2; MSTP084; EGFRBP-GRB2; HT027; protein Ash; SH2/SH3 adapter GRB2; abundant SRC homology; growth factor receptor-bound protein 3; epidermal growth factor receptor-binding protein GRB2; |
| Entrez Gene ID | 2885 |
| Protein Refseq | NP_002077 |
| UniProt ID | B0LPF3 |
| Chromosome Location | 17q24-q25 |
| Pathway | Acute myeloid leukemia; Adaptive Immune System; Alcoholism; Angiopoietin receptor Tie2-mediated signaling |
| Function | SH3 domain binding; SH3/SH2 adaptor activity; ephrin receptor binding; epidermal growth factor receptor binding |