

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### GRB2 (R178) Peptide

Cat No.: BS3871P

#### Background

Growth factor receptor bound protein 2 (GRB2), also known as Ash protein, is a 24 kDa protein that contains a central Src homology (SH2) domain flanked by two SH3 domains. GRB2 is believed to be a regulatory subunit of signaling molecules whose activity is modulated by receptor binding. GRB2 associates with activated (tyrosine phosphorylated) EGFR and PDGFR via its SH2 domain as well as IRS1, SHC, and LNK through SH2 and SH3 domains. The SH3 domain binds to SOS, a guanine nucleotide exchange factor for Ras proteins. Endocytosis of activated EGFR requires the interaction of GRB2 with the GTP binding protein dynamin, a factor essential to the formation of endocytotic vesicle. It is ubiquitously expressed and several isoforms are produced by alternative splicing. On SDS PAGE, GRB2 has an apparent molecular weight of 28 kDa.

#### Swiss-Prot

P62993

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS3871 GRB2 (R178) pAb.

#### Purification & Purity

Synthetic peptide GRB2 (R178). (Note: the amino acid sequence is proprietary). The purity is > 98%.

#### Product

1 mg/ml in DI water.

#### Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

#### Research Use

For research use only, not for use in diagnostic procedure.