

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### MSH6 / GTBP (E371) Peptide

Cat No.: BS2420P

#### Background

The finding that mutations in DNA mismatch repair genes are associated with hereditary nonpolyposis colorectal cancer (HNPCC) has resulted in considerable interest in the understanding of the mechanism of DNA mismatch repair. Initially, inherited mutations in the MSH2 and MLH1 homologs of the bacterial DNA mismatch repair genes MutS and MutL were demonstrated at high frequency in HNPCC and were shown to be associated with microsatellite instability. A member of the mismatch repair family, GTBP (also designated MSH6), is a 160 kDa MSH2-related protein that binds to DNA containing G/T mismatches. Findings suggest that the mismatch-binding factor in human cells is composed of a heterodimer of GTBP and MSH2.

#### Swiss-Prot

P52701

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS2420 MSH6 / GTBP (E371) pAb.

#### Purification & Purity

Synthetic peptide MSH6 / GTBP (E371). (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.