
MSH2 Peptide

Subcategory: Synthetic Peptide, Blocking Peptide

Cat. No.: 350528

Unit: 0.1 mg

Description:

DNA mismatch repair protein Msh2 (MSH2) is a component of the post-replicative DNA mismatch repair system (MMR). MSH2 forms two different heterodimers: MutS alpha (MSH2-MSH6 heterodimer) and MutS beta (MSH2-MSH3 heterodimer) that bind to DNA mismatches and initiate DNA repair. Defects in MSH2 are the cause of hereditary non-polyposis colorectal cancer type 1 and endometrial cancers.

Format: Each vial contains 0.1 mg of lyophilized peptide. Reconstitute with 0.1 ml deionized water for a final concentration of 1 mg/ml. Use at 5.6 ug/ml for a 100X excess over antibody for maximum blocking effect.

Alternate Names: DNA mismatch repair protein Msh2; MutS protein homolog 2; MSH2

Accession No.: P43246

MW: 2001.4 g/mol

Sequence: The synthetic peptide used to raise the antibody Cat. No. 200166 is selected from a sequence within the C-term region of human MSH2. For blocking experiments, a 10 to 100 fold molar excess to antibody is recommended.

Composition: C87H157N25O26S1

Purity: Purity > 80% by HPLC

Solubility: Distilled water for a solution up to 2 mg/ml, otherwise we recommend using acetonitrile.

Storage: Store at -20°C. The product is hygroscopic and must be protected from light. Product is guaranteed one year from the date of shipment. Following reconstitution, store at -20°C.

For research use only, not for diagnostic or therapeutic procedures.