Datasheet for ABIN7193486

anti-MSH6 antibody (AA 217-395)

3 Images

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Overview

Quantity:	0.1 mg
Target:	MSH6
Binding Specificity:	AA 217-395
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Purified recombinant fragment of human MSH6 (AA: 217-395) expressed in E. coli.
Clone:	1D10G1
Isotype:	IgG1
Purification:	purified

Target Details

Target:	MSH6
Alternative Name:	MSH6 (MSH6 Products)
Background:	Description: This gene encodes a member of the DNA mismatch repair MutS family. In E. coli, the MutS protein helps in the recognition of mismatched nucleotides prior to their repair. A highly conserved region of approximately 150 aa, called the Walker-A adenine nucleotide binding motif, exists in MutS homologs. The encoded protein heterodimerizes with MSH2 to

Target Details

	form a mismatch recognition complex that functions as a bidirectional molecular switch that exchanges ADP and ATP as DNA mismatches are bound and dissociated. Mutations in this gene may be associated with hereditary nonpolyposis colon cancer, colorectal cancer, and endometrial cancer. Transcripts variants encoding different isoforms have been described. Aliases: GTBP, HSAP, p160, GTMBP, HNPCC5
Molecular Weight:	152.8 kDa
Gene ID:	2956
Pathways:	DNA Damage Repair, Chromatin Binding, Production of Molecular Mediator of Immune Response

Application Details

Application Notes:	WB:1:500 - 1:2000, ELISA:1:10000,
Restrictions:	For Research Use only

Handling

Buffer:	Purified antibody in PBS with 0.05 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	4°C, -20°C for long term storage

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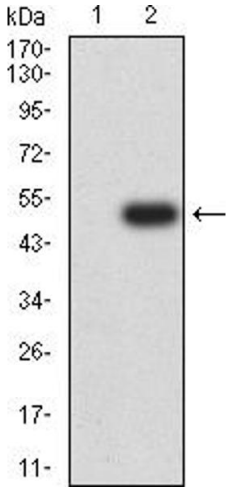
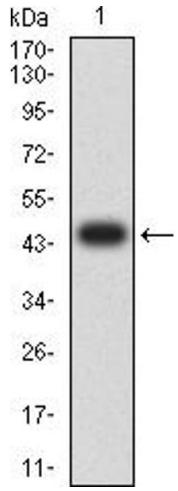


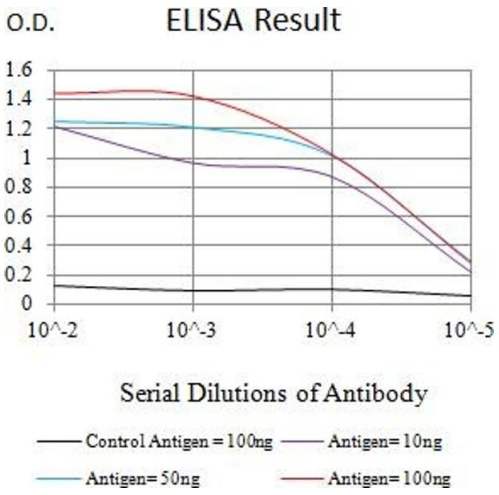
Western Blotting

Image 1. Western blot analysis using MSH6 mAb against HEK293 (1) and MSH6 (AA: 217-395)-hIgGFc transfected HEK293 (2) cell lysate.



Western Blotting

Image 2. Western blot analysis using MSH6 mAb against human MSH6 (AA: 217-395) recombinant protein. (Expected MW is 45.9 kDa)



ELISA

Image 3. Black line: Control Antigen (100 ng),Purple line: Antigen (10 ng), Blue line: Antigen (50 ng), Red line:Antigen (100 ng)