Datasheet for ABIN1724694

anti-MSH6 antibody

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Overview

Quantity:	100 µL
Target:	MSH6
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MSH6 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Purified recombinant fragment of MSH6 expressed in E. coli.
Clone:	3A10H7
Isotype:	IgG1
Purification:	purified

Target Details

Target:	MSH6
Alternative Name:	MSH6 (MSH6 Products)
Background:	Description: Defects in MSH6 are a cause of hereditary non-polyposis colorectal cancer (HNPCC) (Lynch syndrome). HNPCC is an autosomal, dominantly inherited disease associated with marked increase in cancer susceptibility. It is characterized by a familial predisposition to early onset colorectal carcinoma (crc) and extra-colonic cancers of the gastrointestinal,

Target Details

	urological and female reproductive tracts. HNPCC is reported to be the most common form of inherited colorectal cancer in the western world. MSH6 is central to mismatch DNA repair. Aliases: GTBP, HSAP, HNPCC5
Gene ID:	2956
HGNC:	2956
Pathways:	DNA Damage Repair, Chromatin Binding, Production of Molecular Mediator of Immune Response

Application Details

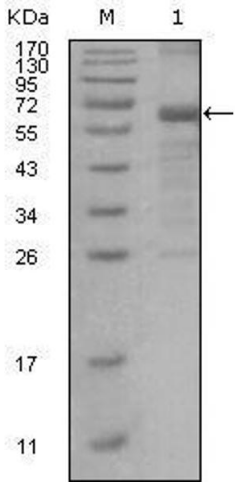
Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Ascitic fluid containing 0.03 % 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

Publications

Product cited in:	Zuhlke, Johnson, Okoth, Stoffel, Robbins, Tembe, Salinas, Zheng, Xu, Carpten, Lange, Isaacs, Cooney: "Identification of a novel NBN truncating mutation in a family with hereditary prostate cancer." in: **Familial cancer**, Vol. 11, Issue 4, pp. 595-600, (2012) (PubMed). Zheng, Zhang, Jiang, You, Liu, Lu, Zhou: "Functional NBS1 polymorphism is associated with occurrence and advanced disease status of nasopharyngeal carcinoma." in: **Molecular carcinogenesis**, Vol. 50, Issue 9, pp. 689-96, (2011) (PubMed).



Western Blotting

Image 1. Western blot analysis using MSH6 mouse mAb against truncated MSH6 recombinant protein.

