Datasheet for ABIN2776761

anti-MSH2 antibody (N-Term)

2 Images | 1 Publication

Go to Product page

Overview

Quantity:	100 µL
Target:	MSH2
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Guinea Pig, Zebrafish (Danio rerio), Cow, Horse, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MSH2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human MSH2
Sequence:	GNKASKENDW YLAYKASPGN LSQFEDILFG NNDMSASIGV VGVKMSAVDG
Predicted Reactivity:	Cow: 93%, Dog: 93%, Guinea Pig: 93%, Horse: 93%, Human: 100%, Mouse: 93%, Rabbit: 93%, Rat: 100%, Zebrafish: 79%
Characteristics:	This is a rabbit polyclonal antibody against MSH2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	MSH2

Target Details

Alternative Name:	MSH2 (MSH2 Products)
Background:	MSH2 was identified as a locus frequently mutated in hereditary nonpolyposis colon cancer (HNPCC). When cloned, it was discovered to be a human homolog of the E. coli mismatch repair gene mutS, consistent with the characteristic alterations in microsatellite sequences (RER+ phenotype) found in HNPCC. MSH2 was identified as a locus frequently mutated in hereditary nonpolyposis colon cancer (HNPCC). When cloned, it was discovered to be a human homolog of the E. coli mismatch repair gene mutS, consistent with the characteristic alterations in microsatellite sequences (RER+ phenotype) found in HNPCC. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications. Alias Symbols: COCA1, FCC1, HNPCC, HNPCC1, LCFS2 Protein Interaction Partner: ESR1, BRCA1, SUMO2, RPA3, RPA2, RPA1, REV1, POLK, DPYSL3, ATP6V1B2, CUL2, XRCC5, SUPT5H, STAT3, ST13, PDE3A, NRD1, JUP, XRCC6, SEC23A, HDAC6, PCNA, MSH3, MSH6, ERCC4, ERCC1, gag-pol, UBC, SUPT16H, SEPT9, SRSF10, SRSF11, SART1, SMARCA5, TOP2B, SRSF7, SRSF5 Protein Size: 934
Molecular Weight:	105 kDa
Gene ID:	4436
NCBI Accession:	NM_000251, NP_000242
UniProt:	P43246
Pathways:	DNA Damage Repair, Production of Molecular Mediator of Immune Response

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 934 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 %

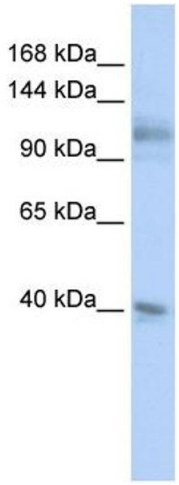
Handling

	sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in:	Wedrén, Lovmar, Humphreys, Magnusson, Melhus, Syvänen, Kindmark, Landegren, Fermér, Stiger, Persson, Baron, Weiderpass: "Estrogen receptor alpha gene polymorphism and endometrial cancer risk--a case-control study." in: **BMC cancer**, Vol. 8, pp. 322, (2009) (PubMed).

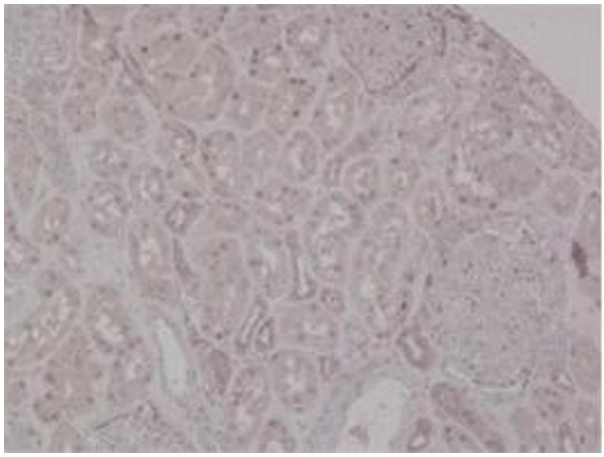
Images



Western Blotting

Image 1. WB Suggested Anti-MSH2 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: HepG2 cell lysate

Images



Immunohistochemistry

Image 2. Sample Type: Human KidneyPrimary Dilution: 1ug/mL