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Datasheet for ABIN6144062
anti-MSH4 antibody (AA 697-936)

1 Image

Overview

| | |
|----------------------|-------------------------------------|
| Quantity: | 100 µL |
| Target: | MSH4 |
| Binding Specificity: | AA 697-936 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This MSH4 antibody is un-conjugated |
| Application: | Western Blotting (WB) |

Product Details

| | |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen: | Recombinant fusion protein containing a sequence corresponding to amino acids 697-936 of human MSH4 (NP_002431.2). |
| Sequence: | QIMAQIGSYV PAEYSSFRIA KQIFTRISTD DDIETNSSTF MKEMKEIAYI LHNANDKSLI LIDELGRGTN TEEGIGICYA VCEYLLSLKA FTLFATHFLE LCHIDALYPN VENMHFEVQH VKNTSRNKEA ILYTYKLSKG LTEEKNYGLK AAEVSSLPPS IVLDAKEITT QITRQILQNN RSTPEMERQR AVYHLATRLV QTARNSQLDP DSLRIYLSNL KKKYKEDFPR TEQVPEKTEE |
| Isotype: | IgG |
| Cross-Reactivity: | Mouse, Rat |
| Characteristics: | Polyclonal Antibodies |

Target Details

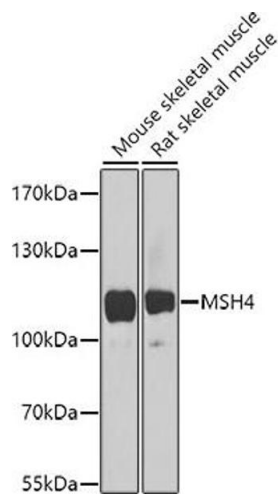
| | |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target: | MSH4 |
| Alternative Name: | MSH4 (MSH4 Products) |
| Background: | <p>This gene encodes a member of the DNA mismatch repair mutS family. This member is a meiosis-specific protein that is not involved in DNA mismatch correction, but is required for reciprocal recombination and proper segregation of homologous chromosomes at meiosis I. This protein and MSH5 form a heterodimer which binds uniquely to a Holliday Junction and its developmental progenitor, thus provoking ADP-ATP exchange, and stabilizing the interaction between parental chromosomes during meiosis double-stranded break repair.,MSH4,Epigenetics & Nuclear Signaling,DNA Damage & Repair,MSH4</p> |
| Molecular Weight: | 104 kDa |
| Gene ID: | 4438 |
| UniProt: | O15457 |

Application Details

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|--------------------|-----------------------|
| Application Notes: | WB,1:500 - 1:2000 |
| Comment: | HIGH QUALITY |
| Restrictions: | For Research Use only |

Handling

| | |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Format: | Liquid |
| Buffer: | PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3. |
| 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: | -20 °C |
| Storage Comment: | Store at -20°C. Avoid freeze / thaw cycles. |



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using MSH4 antibody (ABIN6128246, ABIN6144062, ABIN6144064 and ABIN6224652) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 90s.