



Datasheet for ABIN2854424  
**anti-MUTYH antibody (Center)**



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2 Images

Overview

Quantity:	100 µL
Target:	MUTYH
Binding Specificity:	Center
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MUTYH antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human MUTYH. The exact sequence is proprietary.
Isotype:	IgG
Characteristics:	Rabbit polyclonal antibody to MYH (mutY homolog (E. coli)) MUTYH antibody [N3C3]
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	MUTYH
Alternative Name:	MUTYH ( <a href="#">MUTYH Products</a> )

## Target Details

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**Background:** This gene encodes a DNA glycosylase involved in oxidative DNA damage repair. The enzyme excises adenine bases from the DNA backbone at sites where adenine is inappropriately paired with guanine, cytosine, or 8-oxo-7,8-dihydroguanine, a major oxidatively damaged DNA lesion. The protein is localized to the nucleus and mitochondria. Mutations in this gene result in heritable predisposition to colon and stomach cancer. Multiple transcript variants encoding different isoforms have been found for this gene.

Cellular Localization: Nucleus

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**Molecular Weight:** 60 kDa

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**Gene ID:** 4595

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**Pathways:** [DNA Damage Repair](#)

## Application Details

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**Application Notes:** Suggested dilution Reference Western blot 1:500-1:3000\* Not tested in other applications.  
\*Optimal dilutions/concentrations should be determined by the researcher.Suggested dilutionReferenceWestern blot1:500-1:3000\*

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**Comment:** Positive Control: 293T , A431 , H1299 , HeLa , HepG2 , Molt-4 , Raji , NIH-3T3

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**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

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**Concentration:** 0.39 mg/mL

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**Buffer:** 0.1M Tris, 0.1M Glycine, 10 % Glycerol ( pH 7). 0.01 % Thimerosal was added as a preservative.

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**Preservative:** Thimerosal (Merthiolate)

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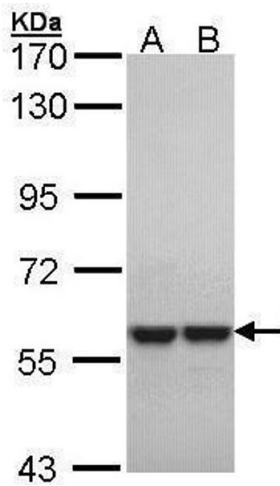
**Precaution of Use:** This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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**Storage:** -20 °C

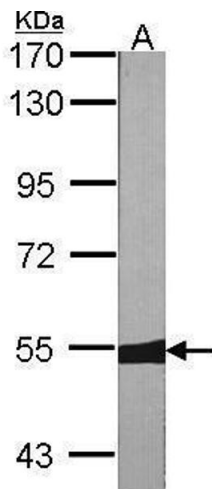
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**Storage Comment:** Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.



#### Western Blotting

**Image 1.** WB Image Sample (30 ug of whole cell lysate) A:  
Hela B: Hep G2 , 7.5% SDS PAGE antibody diluted at 1:1000



#### Western Blotting

**Image 2.** WB Image Sample (30 ug of whole cell lysate)  
A:NIH-3T3 7.5% SDS PAGE antibody diluted at 1:1000