

## Anti-MGMT Antibody (9E151)

## Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	9E151
Purification:	Affinity-chromatography

## Applications

Verified Activity:	<p>1. Western Blot</p> <ul style="list-style-type: none"><li>-Positive WB detected in: MCF-7 whole cell lysate, Jurkat whole cell lysate</li><li>-All lanes: MGMT antibody at 1:1500</li><li>-Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution</li><li>-Predicted band size: 22 kDa</li><li>-Observed band size: 22 kDa</li></ul> <p>2. IHC image of TMAH-00755 diluted at 1:100 and staining in paraffin-embedded human tonsil tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.</p>
Application:	ELISA,IHC,WB
Recommended	WB:1:500-1:5000; IHC:1:50-1:200.

## Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	A synthetic peptide: Human MGMT
Antigen Species:	Human
Uniprot ID:	P16455
Synonyms:	O-6-methylguanine-DNA-alkyltransferase;Methylated-DNA--protein-cysteine methyltransferase;MGMT;6-O-methylguanine-DNAmethyltransferase
Biology Area:	Epigenetics and Nuclear Signaling

## Research Background

Involved in the cellular defense against the biological effects of O6-methylguanine (O6-MeG) and O4-methylthymine (O4-MeT) in DNA. Repairs the methylated nucleobase in DNA by stoichiometrically transferring the methyl group to a cysteine residue in the enzyme. This is a suicide reaction: the enzyme is irreversibly inactivated.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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