

Anti-MGMT Antibody (3T488)

Product Details

Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 22 kDa. Actual: 20 kDa.
Clone:	3T488
Purification:	Protein A purified

Applications

Verified Activity:	<ol style="list-style-type: none">1. Paraformaldehyde-fixed, paraffin embedded Human Lung Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with MGMT Monoclonal Antibody, Unconjugated (TMAB-08799) at 1:200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L-HRP and DAB staining.2. Paraformaldehyde-fixed, paraffin embedded Human Colon Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with MGMT Monoclonal Antibody, Unconjugated (TMAB-08799) at 1:200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L-HRP and DAB staining.3. 25 ug total protein per lane of various lysates (see on figure) probed with MGMT monoclonal antibody, unconjugated (TMAB-08799) at 1: 1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.
Application:	WB,IHC-P,IHC-Fr,IF
Recommended	WB: 1:500-2000; IHC-P: 1:50-200; IHC-Fr: 1:50-200; IF: 1:50-200

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	A synthesized peptide: human MGMT
Antigen Species:	Human
Gene ID:	4255
Uniprot ID:	P16455

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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