

Anti-MGMT Polyclonal Antibody 2

Product Details

Ig Type:	IgG
Reactivity:	Rat (predicted:Human,Mouse)
Molecular Weight:	Theoretical: 22 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	1. Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-MGMT Polyclonal Antibody, Unconjugated (TMAB-08797) 1: 200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining
	2. Tissue/cell: rat liver tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-MGMT Polyclonal Antibody, Unconjugated (TMAB-08797) 1: 200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining
Application:	IHC-P,IHC-Fr,IF
Recommended	IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

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:	KLH conjugated synthetic peptide: human MGMT
Antigen Species:	Human
Gene ID:	4255
Uniprot ID:	P16455

Research Background

MGMT (O6 methylguanine DNA methyltransferase) is an enzyme that transfers methyl groups from O(6) methylguanine, and other methylated moieties of DNA, to a cysteine residue in itself, thus repairing DNA damage caused by alkylation in a single step reaction. This is a suicide reaction as the enzyme is irreversibly inactivated. MGMT prevents mutagenesis and malignant transformation, and also provides resistance to chemotherapy with alkylating agents among cancer patients.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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