

DESCRIPTION

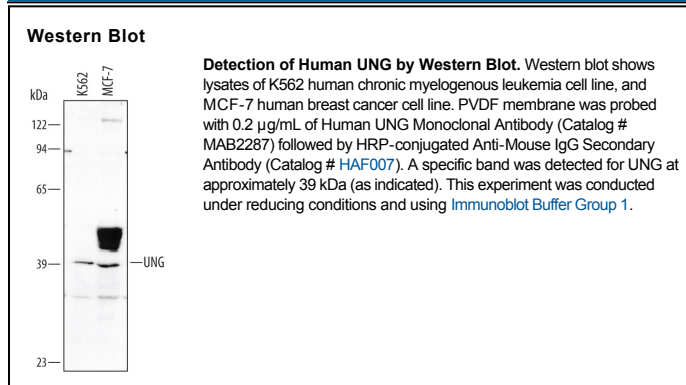
Species Reactivity	Human
Specificity	Detects endogenous human UNG in Western blots.
Source	Monoclonal Mouse IgG _{2B} Clone # 203627
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human UNG1 Phe85-Leu304 Accession # P13051-2
Endotoxin Level	<0.10 EU per 1 µg of the antibody by the LAL method.
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Western Blot	0.2 µg/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Human UNG is one of four known human DNA *N*-glycosylases involved in the removal of uracil from DNA. Human UNG is a monofunctional enzyme that initiates base excision repair (BER) by hydrolyzing the *N*-glycosidic bond between the uracil base and the sugar-phosphate backbone on the DNA. The resultant abasic or AP site generated by this cleavage is repaired in subsequent steps of the BER process.