

Goat anti-MPG Antibody

Item Number	dAP-0329
Target Molecule	Principle Name: MPG; Official Symbol: MPG; All Names and Symbols: MDG; N-methylpurine-DNA glycosylase; AAG; APNG; CRA36.1; Mid1; N-methylpurine-DNA glycosylase, MPG; PIG11; PIG16; anpg; 3' end of the Mid1 gene, localized 68 kb upstream the humanzeta globin gene on 16p; CRA36.1 (3-methyladenine DNA glycosylase); alkylad; Accession Number (s): NP_002425.2; NP_001015052.1; NP_001015054.1; Human Gene ID(s): 4350; Non-Human GenelD(s):
Immunogen	SVVDRVAEQDTQA, is from C Terminus This antibody is expected to recognize all three reported isoforms (NP_002425.2, NP_001015052.1 and NP_001015054.1)
Applications	Pep ELISA, WB Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	Lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 1000.
Western Blot	Western Blot: Approx 37kDa band observed in lysates of HEK293 and K562 (calculated MW of 32.9kDa according to NP_002425.2). Recommended concentration: 1-3µg/ml.
IHC	
Reference	Reference(s): Samson L, Derfler B, Boosalis M, Call K. Cloning and characterization of a 3-methyladenine DNA glycosylase cDNA from human cells whose gene maps to chromosome 16. Proc Natl Acad Sci U S A. 1991 Oct 15;88(20):9127-31.. PMID: 1924375 ->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**