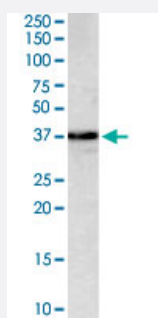


MPG polyclonal antibody

Catalog # PAB6607 Size 100 ug

Applications



Western Blot (Cell lysate)

MPG polyclonal antibody (Cat # PAB6607) staining (1 ug/mL) of HEK293 lysate (RIPA buffer, 35 ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of MPG.
Immunogen	A synthetic peptide corresponding to human MPG.
Sequence	C-SVVD RVAEQDTQA
Host	Goat
Theoretical MW (kDa)	32.9, 32.2, 30.8
Reactivity	Human
Specificity	This antibody is expected to recognize all three reported isoforms (NP_002425.2, NP_001015052.1 and NP_001015054.1)
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.

Recommend Usage	ELISA (1:1000) Western Blot (1-3 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — MPG

Entrez GeneID	4350
Protein Accession#	NP_002425.2;NP_001015052.1;NP_001015054.1
Gene Name	MPG
Gene Alias	AAG, APNG, CRA36.1, MDG, Mid1, PIG11, PIG16, anpg
Gene Description	N-methylpurine-DNA glycosylase
Omim ID	156565
Gene Ontology	Hyperlink
Gene Summary	localized 68 kb upstream the humanzeta globin gene on 16p CRA36.1 (3-methyl-adenine DNA glycosylase) N-methylpurine-DNA glycosylase
Other Designations	3' end of the Mid1 gene, localized 68 kb upstream the humanzeta globin gene on 16p CRA36.1 (3-methyl-adenine DNA glycosylase) N-methylpurine-DNA glycosylase, MPG alkyladenine DNA glycosylase proliferation-inducing protein 11 proliferation-inducing protein

Publication Reference

- [Cloning and characterization of a 3-methyladenine DNA glycosylase cDNA from human cells whose gene maps to chromosome 16.](#)

Samson L, Derfler B, Boosalis M, Call K.

PNAS 1991 Oct; 88(20):9127.

Pathway

- [Base excision repair](#)

Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [DNA Damage](#)
- [Genetic Predisposition to Disease](#)
- [Graft vs Host Disease](#)
- [Lung Neoplasms](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Multiple Sclerosis](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)