

## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB06330 - Goat Anti-MPG Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** N-methylpurine-DNA glycosylase, AAG, APNG, CRA36.1, MDG, Mid1, N-methylpurine-DNA glycosylase, MPG, PIG11, PIG16, anpg, 3'1 end of the Mid1 gene, localized 68 kb upstream the humanzeta globin gene on 16p, CRA36.1 (3-methyl-adenine DNA glycosylase), alkyladenine DNA glycosylase, proliferation-inducing protein 11, proliferation-inducing protein 16

**Official Symbol:** MPG

**Accession Number(s):** NP\_002425.2; NP\_001015052.1; NP\_001015054.1

**Human GeneID(s):** [4350](#)

**Important Comments:** This antibody is expected to recognize all three reported isoforms (NP\_002425.2, NP\_001015052.1 and NP\_001015054.1)

### Immunogen

Peptide with sequence C-SVVDRVAEQDTQA, from the C Terminus of the protein sequence according to NP\_002425.2; NP\_001015052.1; NP\_001015054.1.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 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.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:1000.

**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.

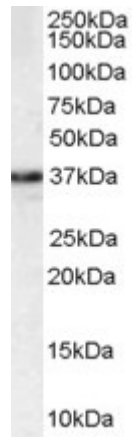
Primary incubated for 1 hour.

**IHC:** Paraffin embedded Human Uterus. Recommended concentration: 5µg/ml.

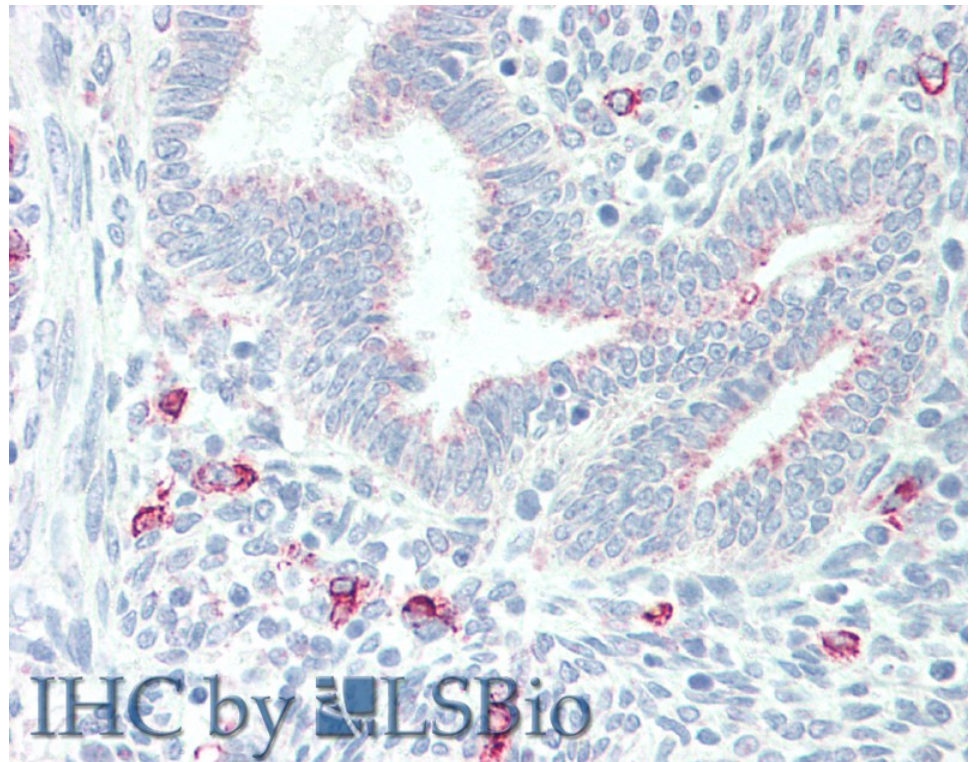
### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human



EB06330 staining (1 $\mu$ g/ml) of HEK293 lysate (RIPA buffer, 35 $\mu$ g total protein per lane). Detected by chemiluminescence.



EB06330 (5 $\mu$ g/ml) staining of paraffin embedded Human Uterus. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.