

## International Office

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

## EB05248 - Goat Anti-PLRG1 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** PLRG1, pleiotropic regulator 1 (PRL1 homolog, Arabidopsis), PRL1, MGC110980, pleiotropic regulator 1 (PRL1, Arabidopsis homolog), pleiotropic regulator 1 (PRL1 homolog, Arabidopsis), pleiotropic regulator 1 (PRL1, Arabidopsis homolog)

**Official Symbol:** PLRG1

**Accession Number(s):** NP\_002660.1; NP\_001188493.1

**Human GeneID(s):** [5356](#)

**Non-Human GeneID(s):** 60376 (rat)

**Important Comments:** This antibody is expected to recognise isoform 1 (NP\_002660.1) and isoform 2 (NP\_001188493.1).

### Immunogen

Peptide with sequence C-PVSWKPEIIKRKRF, from the C Terminus of the protein sequence according to NP\_002660.1; NP\_001188493.1.

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 1:16000.

**Western blot:** Approx 60kDa band observed in nuclear lysates of cell lines HEK293 and NIH3T3 (calculated MW of 57.2kDa according to Human NP\_002660.1 and 56.9kDa according to Mouse NP\_058064.2). Recommended concentration: 0.1-0.3µg/ml. Primary incubation was 1 hour.

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

### Species Reactivity

**Tested:** Human, Mouse

**Expected from sequence similarity:** Human, Mouse, Rat, Dog, Pig, Cow

### Specific Reference

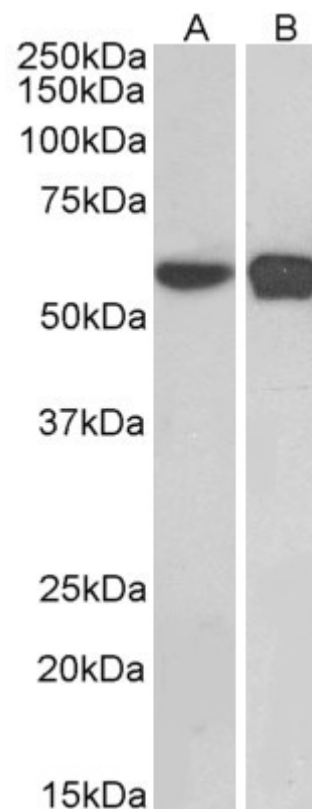
**This antibody (previous batch) has been successfully used in WB and ICC on Human:**

Llères D, Denegri M, Biggiogera M, Ajuh P, Lamond AI.

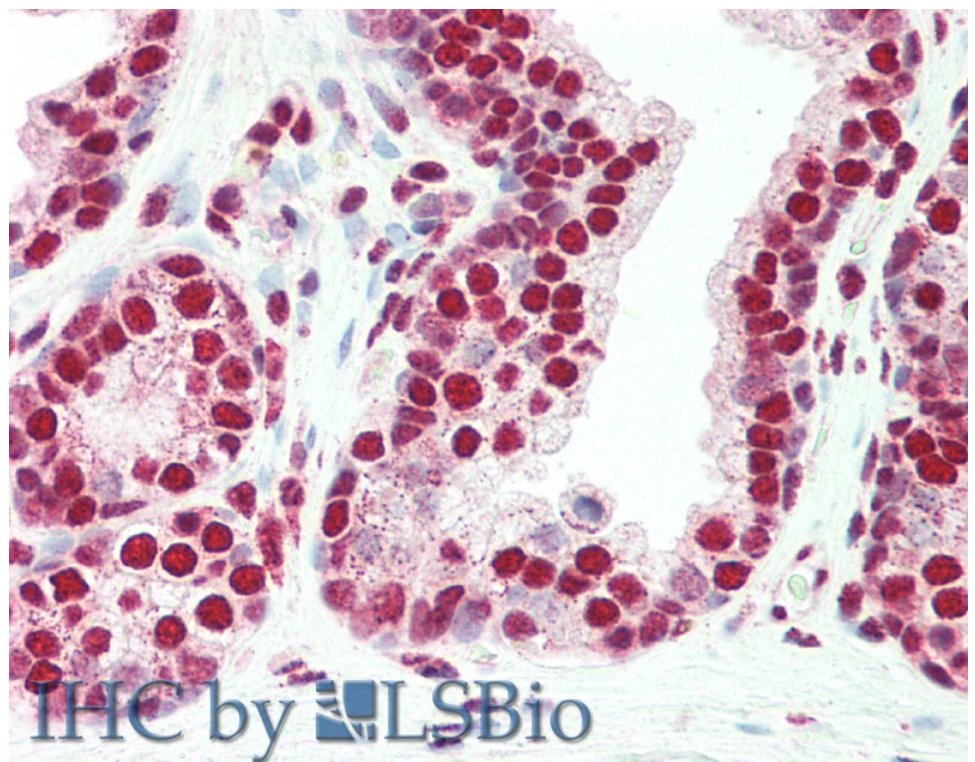
Direct interaction between hnRNP-M and CDC5L/PLRG1 proteins affects alternative splice site choice.

EMBO Rep. 2010 Jun;11(6):445-51.

PMID: 20467437



EB05248 (0.1µg/ml) staining of HEK293 (A) and NIH3T3 (B) nuclear cell lysates (35µg protein in RIPA buffer).  
Detected by chemiluminescence.



EB05248 (5µg/ml) staining of paraffin embedded Human Prostate. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.