

# PILRA Polyclonal antibody

Catalog Number: 11818-1-AP

## Basic Information

**Catalog Number:**

11818-1-AP

**Size:**

1000 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG2385

**GenBank Accession Number:**

BC017812

**GeneID (NCBI):**

29992

**UNIPROT ID:**

Q9UKJ1

**Full Name:**paired immunoglobulin-like type 2  
receptor alpha**Calculated MW:**

303 aa, 34 kDa

**Observed MW:**

50 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:2000

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

human

**Positive Controls:**

WB : HeLa cells, human placenta tissue

## Background Information

Paired receptors consist of highly related activating and inhibitory receptors and are widely involved in the regulation of the immune system. Paired immunoglobulin-like type 2 receptor alpha (PILR $\alpha$ ) and PILR $\beta$  are paired receptors bearing highly similar extracellular ligand-binding domains but divergent intracellular signaling domains. PILR $\alpha$  is the immune inhibitory receptor possessing an immunoreceptor tyrosine-based inhibitory motif (ITIM) in its cytoplasmic domain enabling it to deliver inhibitory signals. Binding of PILR $\alpha$  to its ligand CD99 is involved in immune regulation. PILR $\alpha$  can also recognize other ligands, PILR-associating neural protein (PANP), and HSV-1 glycoprotein B (HSV-1 gB). PILR $\alpha$  has a calculated molecular weight of 34 kDa. It has been reported that PILR $\alpha$  migrates at 44-50 kDa due to glycosylation (PMID: 10903717; 10660620). The other band of about 61 kDa detected by this antibody may present a heavily glycosylated form of PILR $\alpha$ .

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

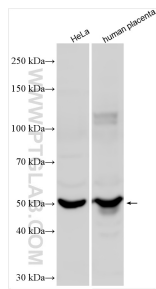
For technical support and original validation data for this product please contact:

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 11818-1-AP (PILRA antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.