

For Research Use Only

# PILRA Polyclonal antibody

Catalog Number: 11818-1-AP



## Basic Information

<b>Catalog Number:</b> 11818-1-AP	<b>GenBank Accession Number:</b> BC017812	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 300 µg/ml	<b>GeneID (NCBI):</b> 29992	<b>Recommended Dilutions:</b> WB 1:150-1:600
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9UIK1	
<b>Isotype:</b> IgG	<b>Full Name:</b> paired immunoglobulin-like type 2 receptor alpha	
<b>Immunogen Catalog Number:</b> AG2385	<b>Calculated MW:</b> 303 aa, 34 kDa	
	<b>Observed MW:</b> 48 kDa, 61 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB: human placenta tissue,
<b>Species Specificity:</b> human	

## 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-associated 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:

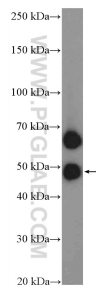
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## Selected Validation Data



human placenta tissue were subjected to SDS PAGE followed by western blot with 11818-1-AP (PILRA antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.