

PILRA Polyclonal antibody

Catalog Number: 11818-1-AP

Basic Information

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| Catalog Number: 11818-1-AP | GenBank Accession Number: BC017812 | Purification Method: Antigen affinity purification |
| Size: 150ul , Concentration: 300 µg/ml by Nanodrop and 180 µg/ml by Bradford method using BSA as the standard; | GeneID (NCBI): 29992 | Recommended Dilutions: WB 1:150-1:600 |
| Source: Rabbit | Full Name: paired immunoglobulin-like type 2 receptor alpha | |
| Isotype: IgG | Calculated MW: 303 aa, 34 kDa | |
| Immunogen Catalog Number: AG2385 | Observed MW: 48 kDa, 61 kDa | |

Applications

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| Tested Applications: WB, ELISA | Positive Controls: WB : human placenta tissue, |
| Species Specificity: 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 (PILRa) and PILRβ are paired receptors bearing highly similar extracellular ligand-binding domains but divergent intracellular signaling domains. PILRa 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 PILRa to its ligand CD99 is involved in immune regulation. PILRa can also recognize other ligands, PILR-associated neural protein (PANP), and HSV-1 glycoprotein B (HSV-1 gB). PILRa has a calculated molecular weight of 34 kDa. It has been reported that PILRa 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 PILRa.

Storage

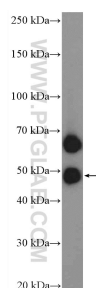
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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.