

For Research Use Only

PILRA Polyclonal antibody

Catalog Number: 11818-1-AP



Basic Information

Catalog Number: 11818-1-AP	GenBank Accession Number: BC017812	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 29992	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	UNIPROT ID: Q9UKJ1	
Isotype: IgG	Full Name: paired immunoglobulin-like type 2 receptor alpha	
Immunogen Catalog Number: AG2385	Calculated MW: 303 aa, 34 kDa	
	Observed MW: 50 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HeLa cells, 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 PILR β 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-associating 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

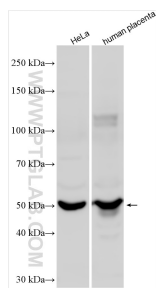
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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



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.