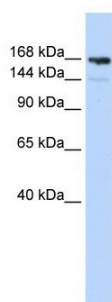


# PPL antibody - middle region (ARP42061\_P050)

## Data Sheet

<b>Product Number</b>	ARP42061_P050
<b>Product Name</b>	PPL antibody - middle region (ARP42061_P050)
<b>Size</b>	50ug
<b>Gene Symbol</b>	<a href="#">PPL</a>
<b>Alias Symbols</b>	KIAA0568; MGC134872
<b>Nucleotide Accession#</b>	<a href="#">NM_002705</a>
<b>Protein Size (# AA)</b>	1756 amino acids
<b>Molecular Weight</b>	205kDa
<b>Product Format</b>	Lyophilized powder
<b>NCBI Gene Id</b>	5493
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Official Gene Full Name</b>	Periplakin
<b>Description</b>	This is a rabbit polyclonal antibody against PPL. It was validated on Western Blot using a cell lysate as a positive control. Aviva Systems Biology strives to provide antibodies covering each member of a whole protein family of your interest. We also use our best efforts to provide you antibodies recognize various epitopes of a target protein. For availability of antibody needed for your experiment, please inquire ().
<b>Peptide Sequence</b>	Synthetic peptide located within the following region: <a href="#">EKSRAQEKVTEKEVVKLQNDPQLEAEYQQLQEDHQRQDQLREKQEEELSF</a>
<b>Target Reference</b>	Boczonadi,V., (2007) Exp. Cell Res. 313 (16), 3579-3591
<b>Description of Target</b>	PPL is a component of desmosomes and of the epidermal cornified envelope in keratinocytes. The N-terminal domain of this protein interacts with the plasma membrane and its C-terminus interacts with intermediate filaments. Through its rod domain, this protein forms complexes with envoplakin. This protein may serve as a link between the cornified envelope and desmosomes as well as intermediate filaments. AKT1/PKB, a protein kinase mediating a variety of cell growth and survival signaling processes, is reported to interact with this protein, suggesting a possible role for this protein as a localization signal in AKT1-mediated signaling. The protein encoded by this gene is a component of desmosomes and of the epidermal cornified envelope in keratinocytes. The N-terminal domain of this protein interacts with the plasma membrane and its C-terminus interacts with intermediate filaments. Through its rod domain, this protein forms complexes with envoplakin. This protein may serve as a link between the cornified envelope and desmosomes as well as intermediate filaments. AKT1/PKB, a protein kinase mediating a variety of cell growth and survival signaling processes, is reported to interact with this protein, suggesting a possible role for this protein as a localization signal in AKT1-mediated signaling. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
<b>Partner Proteins</b>	MAPK14, MAP3K4, DCTN1, DYRK1B, ELK1, MAP3K4, MAPK12, MAPK14, MAPK3, MAPK8IP2, PLCB2, SMAD7, TAOK1, TAOK2, MAP2K6, MAP3K4, MAPK14, MAPK3, MAPK8IP2, Mapk14, NPHS1, PLCB2, SMAD7, TAOK2
<b>Reconstitution and Storage</b>	Add 50 ul of distilled water. Final anti-PPL antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20C. Avoid repeat freeze-thaw cycles.
<b>Lead Time</b>	Domestic: within 24 hours delivery International: 3-5 business days
<b>Blocking Peptide</b>	For anti-PPL antibody is Catalog # AAP42061 (Previous Catalog # AAP24540)
<b>Immunogen</b>	The immunogen for anti-PPL antibody: synthetic peptide directed towards the middle region of human PPL
<b>Swissprot Id</b>	<a href="#">O60437</a>
<b>Protein Name</b>	Periplakin
<b>Sample Type Confirmation</b>	PPL is supported by BioGPS gene expression data to be expressed in MCF7
<b>Protein Accession #</b>	<a href="#">NP_002696</a>
<b>Purification</b>	Affinity Purified
<b>Species Reactivity</b>	Human, Pig
<b>Application</b>	WB
<b>Predicted Homology Based on Immunogen Sequence</b>	Human: 100%; Pig: 82%
	<b>Human MCF-7</b>

**Image 1**



**WB Suggested Anti-PPL Antibody Titration:** 0.2-1 ug/ml  
**ELISA Titer:** 1:62500  
**Positive Control:** MCF7 cell lysate

PPL is supported by BioGPS gene expression data to be expressed in MCF7

This product is for Research Use Only. Not for diagnostic, human, or veterinary use.  
Optimal conditions of its use should be determined by end users.