

**ARG64267**  
**anti-PHLPP2 antibody**Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Goat Polyclonal antibody recognizes PHLPP2
Tested Reactivity	Hu
Tested Application	WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	PHLPP2
Species	Human
Immunogen	C-PHEEDRTEPPEEFD
Conjugation	Un-conjugated
Alternate Names	PH domain leucine-rich repeat-containing protein phosphatase 2; PHLPP-like; PH domain leucine-rich repeat-containing protein phosphatase-like; PHLPL; EC 3.1.3.16

### Application Instructions

Application table	Application	Dilution
	WB	0.1 - 0.3 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	<a href="#">GeneID: 23035 Human</a> <a href="#">Swiss-port # Q6ZVD8 Human</a>
Gene Symbol	PHLPP2
Gene Full Name	PH domain and leucine rich repeat protein phosphatase 2
Function	Protein phosphatase that mediates dephosphorylation of 'Ser-473' of AKT1, 'Ser-660' of PRKCB isoform beta-II and 'Ser-657' of PRKCA. AKT1 regulates the balance between cell survival and apoptosis through a cascade that primarily alters the function of transcription factors that regulate pro- and antiapoptotic genes. Dephosphorylation of 'Ser-473' of AKT1 triggers apoptosis and decreases cell proliferation. Also controls the phosphorylation of AKT3. Dephosphorylation of PRKCA and PRKCB leads to their destabilization and degradation. Inhibits cancer cell proliferation and may act as a tumor suppressor. [UniProt]
Research Area	Signaling Transduction antibody
Calculated Mw	147 kDa

Images



ARG64267 anti-PHLPP2 antibody WB image

Western Blot: Human Brain (Amygdala, Hippocampus, Substantia Nigra) lysate (35 µg protein in RIPA buffer) stained with ARG64267 anti-PHLPP2 antibody at 0.1 µg/ml dilution.