ARG53458
anti-PHLPP2 antibody [SP220]

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Monoclonal antibody [SP220] recognizes PHLPP2
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Monoclonal
Clone	SP220
Isotype	IgG
Target Name	PHLPP2
Species	Human
Immunogen	Synthetic peptide derived from human PHLPP2 protein.
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; PHLPPL; EC 3.1.3.16

Application Instructions

Application table

Application	Dilution
IHC-P	1:100
WB	1:400

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Positive Control: Prostate, Prostate Adenocarcinoma, HEK293T Cell Lysate

Properties

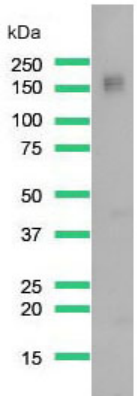
Form	Liquid
Purification	Purified by protein A/G
Buffer	PBS (pH 7.6), 1% BSA and < 0.1% Sodium azide
Preservative	< 0.1% Sodium azide
Stabilizer	1% BSA
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. 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

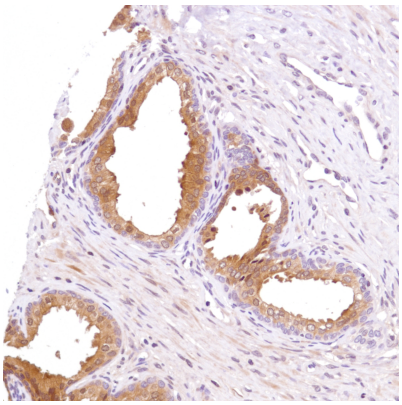
Database links	GeneID: 23035 Human Swiss-port # Q6ZVD8 Human
Gene Symbol	PHLPP2
Gene Full Name	PH domain and leucine rich repeat protein phosphatase 2
Function	Protein phosphatase that mediates dephosphorylation of 'Ser-473' of AKT1, 'Ser-660' of PRKCB isoform beta-II and 'Ser-657' of PRKCA. AKT1 regulates 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
Cellular Localization	Cytoplasm, Membrane, Nucleus

Images



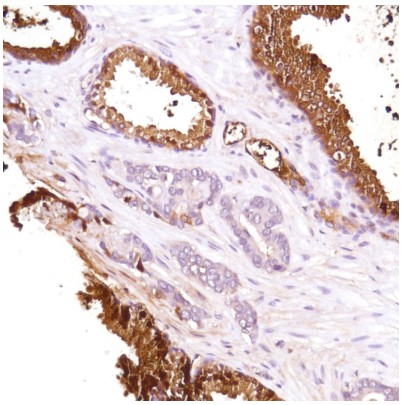
ARG53458 anti-PHLPP2 antibody [SP220] WB image

Western Blot: HEK 293T Cell Lysate stained with PHLPP2 antibody [SP220] (ARG53458)



ARG53458 anti-PHLPP2 antibody [SP220] IHC-P image

Immunohistochemistry: Human Normal Prostate stained with PHLPP2 antibody [SP220] (ARG53458)



ARG53458 anti-PHLPP2 antibody [SP220] IHC-P image

Immunohistochemistry: Human Prostate Adenocarcinoma stained with PHLPP2 antibody [SP220] (ARG53458)