Datasheet for ABIN347397

anti-PLCz1 antibody (Internal Region)

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Overview

Quantity:	100 µL
Target:	PLCz1
Binding Specificity:	Internal Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PLCz1 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC)

Product Details

Immunogen:	Synthetic peptide derived from internal part of PLC-zeta-1
Isotype:	IgG
Specificity:	Reacts with human PLC zeta protein
Cross-Reactivity (Details):	No cross reaction
Purification:	Antiserum

Target Details

Target:	PLCz1
Alternative Name:	Phospholipase C zeta Isoform (PLC-zeta-1) (PLCz1 Products)
Background:	The production of the second messenger molecules diacylglycerol (DAG) and inositol 1,4,5-

Target Details

	trisphosphate (IP3) is mediated by activated phosphatidylinositol-specific phospholipase C enzymes. In vitro, hydrolyzes PtdIns(4,5)P2 in a Ca2+-dependent manner. Triggers intracellular Ca2+ oscillations in oocytes solely during M phase and is involved in inducing oocyte activation and initiating embryonic development up to the blastocyst stage. Is therefore a strong candidate for the egg-activating soluble sperm factor that is transferred from the sperm into the egg cytoplasm following gamete membrane fusion.
Gene ID:	89869
UniProt:	Q86YW0

Application Details

Application Notes:	Working dilution: Optimal dilution should be determined by the end user. The following are guidelines only: WB(1:100 - 1:1000) ICC(1:50 - 1:1000)
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Must be reconstituted in distilled water.
Storage:	4 °C/-20 °C
Storage Comment:	Lyophilized powder stable for a minimum of 2 years at -20°C. Store reconstituted antibodies at +4°C. For extended periods store in aliquots at -20°C. Antibodies are guaranteed for 6 month from date of receipt.
Expiry Date:	24 months

Publications

Product cited in:	Porchet, Probst, Dráberová, Dráber, Riederer, Riederer: "Differential subcellular localization of phosphorylated neurofilament and tau proteins in degenerating neurons of the human entorhinal cortex." in: **Neuroreport**, Vol. 14, Issue 7, pp. 929-33, (2003) (PubMed).

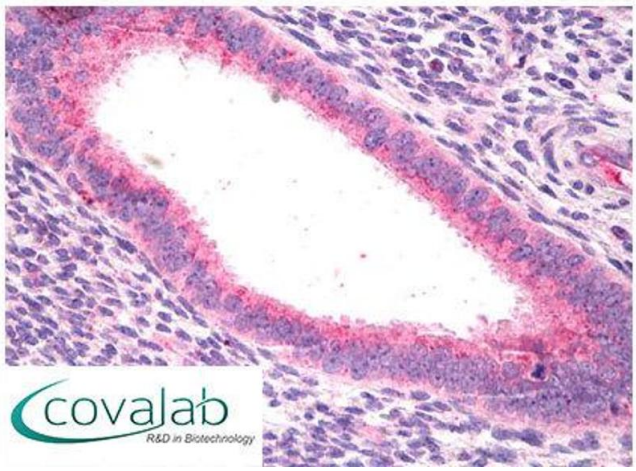

Image 1.

