

## CHP Polyclonal Antibody

<b>Catalog No :</b>	YT0914
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	CHP
<b>Gene Name :</b>	CHP1
<b>Protein Name :</b>	Calcineurin B homologous protein 1
<b>Human Gene Id :</b>	11261
<b>Human Swiss Prot No :</b>	Q99653
<b>Mouse Gene Id :</b>	56398
<b>Mouse Swiss Prot No :</b>	P61022
<b>Rat Gene Id :</b>	64152
<b>Rat Swiss Prot No :</b>	P61023
<b>Immunogen :</b>	Synthesized peptide derived from the Internal region of human CHP.
<b>Specificity :</b>	CHP Polyclonal Antibody detects endogenous levels of CHP protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. ELISA: 1:20000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	24kD
<b>Cell Pathway :</b>	MAPK_ERK_Growth;MAPK_G_Protein;Calcium;Oocyte meiosis;Apoptosis_Inhibition;Apoptosis_Mitochondrial;Apoptosis_Overview;WNT;WNT-T CELLAxon guidance;VEGF;Natural killer cell mediated cytotoxicity;T_Cell_
<b>Background :</b>	This gene encodes a phosphoprotein that binds to the Na <sup>+</sup> /H <sup>+</sup> exchanger NHE1. This protein serves as an essential cofactor which supports the physiological activity of NHE family members and may play a role in the mitogenic regulation of NHE1. The protein shares similarity with calcineurin B and calmodulin and it is also known to be an endogenous inhibitor of calcineurin activity. [provided by RefSeq, Jul 2008],
<b>Function :</b>	function:Required for constitutive membrane traffic. Inhibits GTPase-stimulated Na(+)/H(+) exchange. Also inhibits calcineurin phosphatase activity. Required for activity of SLC9A1/NHE1.,PTM:Both N-myristoylation and calcium-mediated conformational changes are essential for its function in exocytic traffic.,PTM:Phosphorylated; decreased phosphorylation is associated with an increase in exchange activity. The phosphorylation state may regulate the binding to NHE1.,similarity:Contains 4 EF-hand domains.,subunit:Monomer (By similarity). Specifically binds to SLC9A1/NHE1 at a domain that is critical for growth factor stimulation of exchange activity.,tissue specificity:Ubiquitously expressed. Has been found in fetal eye, lung, liver, muscle, heart, kidney, thymus and spleen.,
<b>Subcellular Location :</b>	Nucleus . Cytoplasm . Cytoplasm, cytoskeleton . Endomembrane system . Endoplasmic reticulum-Golgi intermediate compartment . Endoplasmic reticulum . Cell membrane . Membrane ; Lipid-anchor . Localizes in cytoplasmic compartments in dividing cells. Localizes in the nucleus in quiescent cells. Exported from the nucleus to the cytoplasm through a nuclear export signal (NES) and CRM1-dependent pathway. May shuttle between nucleus and cytoplasm. Localizes with the microtubule-organizing center (MTOC) and extends toward the periphery along microtubules. Associates with membranes of the early secretory pathway in a GAPDH-independent, N-myristoylation- and calcium-dependent manner. Colocalizes with the mitotic spindle microtubules. Colocalizes with GAPDH along microtubules. Colocalizes with SLC9A1
<b>Expression :</b>	Ubiquitously expressed. Has been found in fetal eye, lung, liver, muscle, heart, kidney, thymus and spleen.

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**Products Images**

Western Blot analysis of HeLa cells using CHP Polyclonal Antibody

