



# PP2B-A $\alpha$ rabbit pAb

Cat No.:ES20264

For research use only

## Overview

<b>Product Name</b>	PP2B-A $\alpha$ rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	WB 1:500-2000;IHC-p 1:50-300
<b>Immunogen</b>	Synthesized peptide derived from human PP2B-A $\alpha$
<b>Specificity</b>	This antibody detects endogenous levels of Human,Mouse,Rat PP2B-A $\alpha$
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	PP2B-A $\alpha$
<b>Gene Name</b>	PPP3CA CALNA CNA
<b>Cellular localization</b>	Cytoplasm . Cell membrane ; Peripheral membrane protein . Cell membrane, sarcolemma . Cytoplasm, myofibril, sarcomere, Z line . Cell projection, dendritic spine . Colocalizes with ACTN1 and MYOZ2 at the Z line in heart and skeletal muscle (By similarity).
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	
<b>Human Gene ID</b>	5530
<b>Human Swiss-Prot Number</b>	Q08209
<b>Alternative Names</b>	Serine/threonine-protein phosphatase 2B catalytic subunit alpha isoform (EC 3.1.3.16;CAM-PRP catalytic subunit;Calmodulin-dependent calcineurin A subunit alpha isoform)
<b>Background</b>	catalytic activity:A phosphoprotein + H(2)O = a protein + phosphate.,cofactor:Binds 1 Fe(3+) ion per





subunit.,cofactor: Binds 1 zinc ion per subunit.,function: Calcium-dependent, calmodulin-stimulated protein phosphatase. This subunit may have a role in the calmodulin activation of calcineurin. Dephosphorylates HSPB1 and SSH1.,online information: Calcineurin entry,similarity: Belongs to the PPP phosphatase family.,similarity: Belongs to the PPP phosphatase family. PP-2B subfamily.,subcellular location: Colocalizes with ACTN1 and MYO22 at the Z line in heart and skeletal muscle.,subunit: Composed of two components (A and B), the A component is the catalytic subunit and the B component confers calcium sensitivity. Interacts with TORC2/CRTC2, MYOZ1, MYOZ2 and MYOZ3.,

Immunohistochemical analysis of paraffin-embedded human Breast cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).

