ID3 Antibody

PACO19808

Product Information

Size:

50ul

Reactivity:

Human, Mouse, Rat

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, IHC

Recommended dilutions:

ELISA:1:2000-1:5000, IHC:1:50-1:200

Protein Background:

Receptor for lysophosphatidic acid, (LPA). Plays a role in the reorganization of the actin cytoskeleton, cell migration, differentiation and proliferation, and thereby contributes to the responses to tissue damage and infectious agents. Activates downstream signaling cascades via the G(i)/G(o), G(12)/G(13), and G(q) families of heteromeric G proteins. Signaling inhibits adenylyl cyclase activity and decreases cellular cAMP levels. Signaling triggers an increase of cytoplasmic Ca(2+) levels. Activates RALA; this leads to the activation of phospholipase C (PLC) and the formation of inositol 1,4,5-trisphosphate. Signaling mediates activation of down-stream MAP kinases. Contributes to the regulation of cell shape. Promotes Rho-dependent reorganization of the actin cytoskeleton in neuronal cells and neurite retraction. Promotes the activation of Rho and the formation of actin stress fibers. Promotes formation of lamellipodia at the leading edge of migrating cells via activation of RAC1.

Gene ID:

ID3

Uniprot

Q02535

Synonyms:

inhibitor of DNA binding 3, dominant negative helix-loop-helix protein

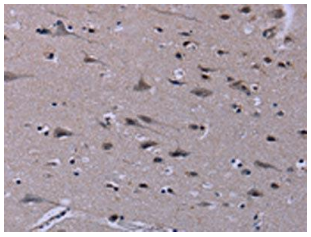
Immunogen:

Synthetic peptide of human ID3.

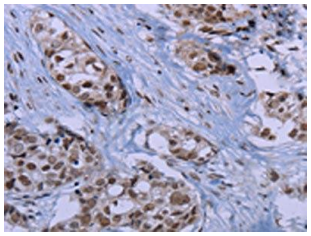
Storage:

-20° C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

Product Images



The image on the left is immunohistochemistry of paraffin-embedded Human brain tissue using PACO19808(ID3 Antibody) at dilution 1/40, on the right is treated with synthetic peptide. (Original magnification: x—200).



The image on the left is immunohistochemistry of paraffin-embedded Human breast cancer tissue using PACO19808(ID3 Antibody) at dilution 1/40, on the right is treated with synthetic peptide. (Original magnification: x—200).