

Product Information

Size:

50ul

Reactivity:

Human

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB, IHC

Recommended dilutions:

ELISA:1:2000-1:5000, WB:1:100-1:500,
IHC:1:25-1:100

Protein Background:

This gene is a member of a gene family which encodes enzymes responsible for the conversion of arginine residues to citrulline residues. This gene may play a role in granulocyte and macrophage development leading to inflammation and immune response. PADI4 plays a role in the epigenetics, the deimination of arginines on histones 3 and 4 can act antagonistically to arginine methylation. The protein may be found in oligomers and binds 5 calcium ions per subunit. It catalyses the reaction: Protein L-arginine + H₂O = protein L-citrulline + NH₃.

Gene ID:

PADI4

Uniprot

Q9UM07

Synonyms:

peptidyl arginine deiminase, type IV

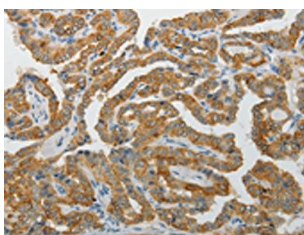
Immunogen:

Fusion protein of human PADI4.

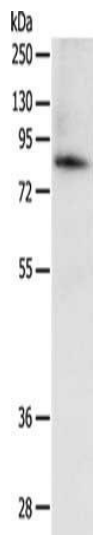
Storage:

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

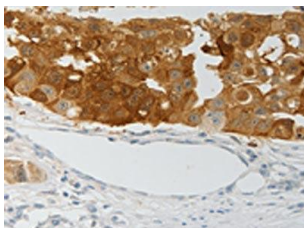
Product Images



The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using PACO14827(PADI4 Antibody) at dilution 1/25, on the right is treated with fusion protein. (Original magnification: x—200).



Gel: 10%SDS-PAGE, Lysate: 40 μ g, Lane: A431 cells, Primary antibody: PACO14827(PADI4 Antibody) at dilution 1/150, Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution, Exposure time: 10 minutes.



The image on the left is immunohistochemistry of paraffin-embedded Human breast cancer tissue using PACO14827(PADI4 Antibody) at dilution 1/25, on the right is treated with fusion protein. (Original magnification: x—200).