



Rabbit Anti-S100A6 monoclonal antibody, clone KG1087 (DCABH-2957)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	S100 alpha 6
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	KG1087
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IHC, IP, FC
Molecular Weight	10 kDa
Cellular Localization	Nucleus envelope, Cytoplasm, Cell membrane.
Positive Control	A431, SH-SY-5Y, HeLa, human colon cancer tissue, human kidney tissue, mouse kidney tissue, human gastric carcinoma tissue, mouse brain tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.

Preservative	0.05% Sodium Azide
Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction

Calcyclin, also known as Prolactin receptor-associated protein (PRA), growth factor-inducible protein 2A9, S-100 calcium-binding protein A6 (S-100A6) or MLN 4, is a homodimeric member of the S-100 calcium-binding protein family whose expression is upregulated in proliferating and differentiating cells. Calcyclin is inducible by growth factors and overexpressed in acute myeloid leukemias. It is expressed in a cell-specific manner in subpopulations of neurons and astrocytes and in epithelial cells and fibroblasts. Calcyclin is a specific target of S-100B protein in vivo. The binding of Calcyclin to S-100B is stabilized by S-100B-bound calcium and zinc. Calcyclin associates with both Annexin XI and CacyBP (calcyclin-binding protein). It functions to activate several processes along the calcium signal transduction pathway including the regulation of cell growth, proliferation, secretion and exocytosis.

Keywords

2A9;5B10;CABP;CACY;Calcyclin;Growth factor inducible protein 2A9;Growth factor-inducible protein 2A9;MLN 4;MLN4;OTTHUMP00000015472;OTTHUMP00000015473;PRA;PRAGrowth factor inducible protein 2A9;Prolactin receptor associated protein;Prolactin receptor-associated protein;Protein S100 A6;Protein S100-A6;S100 A6;S100 calcium binding protein A6 (calcyclin);S100 calcium binding protein A6;S100 calcium-binding protein A6;S100A6;S10A6_HUMAN antibody