Datasheet for ABIN2566904

S100A6 Protein

Go to Product page

Overview

Quantity:	0.1 mg
Target:	S100A6
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Application:	Western Blotting (WB)

Product Details

Characteristics:	The bio-activity of S100A6 was determined by its binding ability with human CEACAM3 protein in the presence of 100 mM CaCl2.
Purity:	>95 % as determined by SDS-PAGE.

Target Details

Target:	S100A6
Alternative Name:	S100A6 (S100A6 Products)
Background:	S100 calcium binding protein A6 (S100-A6) is also kown as 2A9, 5B10, CABP, CACY and PRA, is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on

Target Details

	chromosome 1q21. Most S100 proteins are disulfide-linked homodimer, and is normally present in cells derived from the neural crest, chondrocytes, macrophages, dendritic cells, etc. S100A6 may function in stimulation of Ca2+ -dependent insulin release, stimulation of prolactin secretion, and exocytosis. Chromosomal rearrangements and altered expression of this gene have been implicated in melanoma. S100A6 has been shown to interact with S100B and SUGT1.
Molecular Weight:	10.2 kDa
Gene ID:	6277
NCBI Accession:	NP_055439
UniProt:	P06703
Pathways:	S100 Proteins

Application Details

Application Notes:	This recombinant protein can be used for WB. For research use only.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	PBS, pH 7.4
Storage:	-80 °C,-20 °C
Storage Comment:	Lyophilized Protein should be stored at -20°C or lower for long term storage. Upon reconstitution, working aliquots should be stored at -20°C or -70°C. Avoid repeated freeze-thaw cycles.