ANTIBODIES ONLINE

Datasheet for ABIN2728020
Osteopontin Protein (DYKDDDDK Tag)

1 Image

Overview

Quantity:	20 µg
Target:	Osteopontin (SPP1)
Origin:	Human
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Osteopontin protein is labelled with DYKDDDDK Tag.
Application:	Antibody Production (AbP), Standard (STD)

Product Details

Characteristics:	• Recombinant human Osteopontin / SPP1 (C-term DDK tag, transcript variant 1) protein expressed in Sf9 cells. • Produced with end-sequenced ORF clone
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining

Target Details

Target:	Osteopontin (SPP1)
Alternative Name:	Osteopontin,spp1 (SPP1 Products)
Background:	The protein encoded by this gene is involved in the attachment of osteoclasts to the mineralized bone matrix. The encoded protein is secreted and binds hydroxyapatite with high affinity. The osteoclast vitronectin receptor is found in the cell membrane and may be involved in the binding to this protein. This protein is also a cytokine that upregulates expression of

Target Details

	interferon-gamma and interleukin-12. Several transcript variants encoding different isoforms have been found for this gene.
Molecular Weight:	33.7 kDa
NCBI Accession:	NP_001035147
Pathways:	Regulation of Cell Size

Application Details

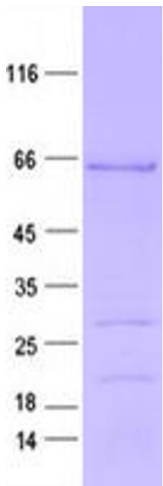|	
Application Notes:	Recombinant human proteins can be used for: Native antigens for optimized antibody production Positive controls in ELISA and other antibody assays
Comment:	The tag is located at the C-terminal.
Restrictions:	For Research Use only

Handling

Concentration:	50 µg/mL
Buffer:	50 mM Tris-HCl, pH 8.0, 100 mM glycine, 10 % glycerol.
Storage:	-80 °C
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.

Images

Western Blotting

Image 1. Validation with Western Blot