Datasheet for ABIN2468306

Calreticulin Protein (CALR) (AA 18-417)

1 Image

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Overview

Quantity:	0.1 mg
Target:	Calreticulin (CALR)
Protein Characteristics:	AA 18-417
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	Western Blotting (WB), ELISA, Mass Spectrometry (MS)

Product Details

Purity:	~90 %

Target Details

Target:	Calreticulin (CALR)
Alternative Name:	CALR (CALR Products)
Background:	Calreticulin is a multifunctional protein that acts as a major Ca(2+)-binding (storage) protein in the lumen of the endoplasmic reticulum. It is also found in the nucleus, suggesting that it may have a role in transcription regulation. Calreticulin binds to the synthetic peptide KLGFFKR, which is almost identical to an amino acid sequence in the DNA-binding domain of the superfamily of nuclear receptors. Calreticulin binds to antibodies in certain sera of systemic lupus and Sjogren patients which contain anti-Ro/SSA antibodies, it is highly conserved among species, and it is located in the endoplasmic and sarcoplasmic reticulum where it may bind calcium.

Target Details

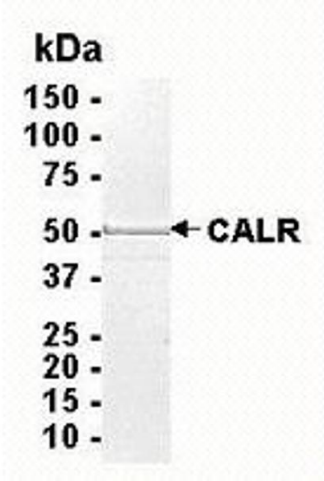
Molecular Weight:	46 kDa (Calculated)
Gene ID:	811
NCBI Accession:	NP_004334
OMIM:	4757900
UniProt:	P27797
Pathways:	Retinoic Acid Receptor Signaling Pathway, Intracellular Steroid Hormone Receptor Signaling Pathway, Regulation of Intracellular Steroid Hormone Receptor Signaling, Nuclear Hormone Receptor Binding, ER-Nucleus Signaling, Unfolded Protein Response

Application Details

Application Notes:	This recombinant protein can be used for WB, ELISA, MS.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	10 mM Tris, pH 8.0, 0.002 % NaN, 3 mM NaCl, 2.5 mM
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid freeze/thaw cycles. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.
Storage:	-80 °C
Storage Comment:	Store in working aliquots at -70 °C.



Western Blotting

Image 1.