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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Number	ARP58880_P050-Biotin
Product Page	www.avivasysbio.com/calr-antibody-middle-region-biotin-arp58880-p050-biotin.html
Name	CALR Antibody - middle region : Biotin (ARP58880_P050-Biotin)
Protein Size (# AA)	417 amino acids
Molecular Weight	46kDa
Conjugation	Biotin
NCBI Gene Id	811
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Calreticulin
Alias Symbols	RO, CRT, SSA, cC1qR, HEL-S-99n
Peptide Sequence	Synthetic peptide located within the following region: ASKPEDWDERAKIDDPDTSKPEDWDKPEHIPDPDAKKPEDWDEEMDGEWE
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Description of Target	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.
Protein Interactions	HUWE1; UBC; LGR4; MDM2; RNF2; SUZ12; rev; AARSD1; THG1L; NSUN2; SH3GLB1; EEF2K; ARPC1A; ANP32B; ACTR2; ARPC1B; ARPC3; ARPC5; TPD52L2; SH3GL1; RPA3; RPA1; PRKACA; PFDN5; LPP; PARK2; UPF2; UBD; SOX2; PDIA3; CLN5; ITGA3; HLA-E; HLA-A; CALR; SLC27A2; env; MTN
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for anti-CALR (ARP58880_P050-Biotin) antibody
Blocking Peptide	For anti-CALR (ARP58880_P050-Biotin) antibody is Catalog# AAP58880 (Previous Catalog # AAPP44827)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human CALR
Uniprot ID	P27797
Protein Name	Calreticulin
Protein Accession #	NP_004334
Purification	Affinity Purified
Nucleotide Accession #	NM_004343
Gene Symbol	CALR
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish
Application	WB, IHC
Predicted Homology Based on Immunogen Sequence	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 86%

Image 1



AVIVA SYSTEMS BIOLOGY manufactures and sells quality antibody products covering genome wide proteins.

This product is for Research Use Only. Not for diagnostic, human, or veterinary use.

Optimal conditions of its use should be determined by end users.

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