

Rabbit CALR Polyclonal Antibody | anti-CALR antibody

CALR Polyclonal Antibody

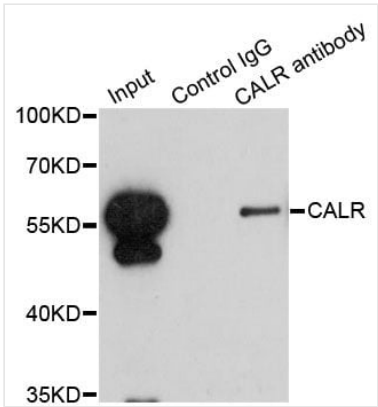
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA37226	Rabbit	Human, Mouse, Rat	Immunoprecipitation, Immunofluorescence, Immunocytochemistry, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

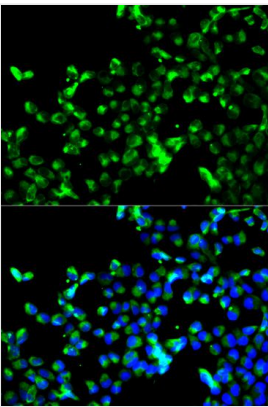
CALR; Polyclonal Antibody; CALR Polyclonal Antibody; CRT; FLJ26680; RO; SSA; cC1qR; anti-CALR antibody

PRODUCT SPECIFICATIONS

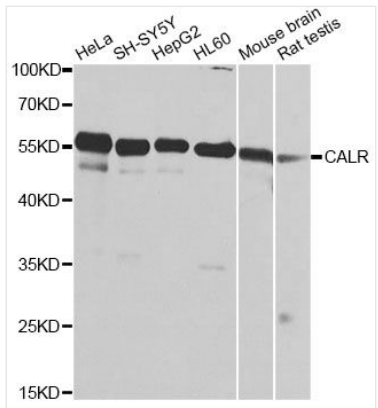
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	417
Applicable Applications for anti-CALR antibody	IP (Immunoprecipitation), IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human CALR
Calculated Molecular Weight	60kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.



IP (Immunoprecipitation)
Immunoprecipitation analysis of 200ug extracts of HepG2 cells using 1ug CALR antibody. Western blot was performed from the immunoprecipitate using CALR antibody at a dilution of 1:1000.



IF (Immunofluorescence)
Immunofluorescence analysis of A549 cells using CALR antibody. Blue: DAPI for nuclear staining.



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using CALR antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 1s.

ADDITIONAL INFORMATION

Related Product Information for anti-CALR antibody	Calcium is a universal signaling molecule involved in many cellular functions such as cell motility, metabolism, protein modification, protein folding and apoptosis. Calcium is stored in the endoplasmic reticulum (ER), where it is buffered by calcium binding chaperones such as calnexin and calreticulin, and is released via the IP3 Receptor (1). Calreticulin also functions as an ER chaperone that ensures proper folding and quality control of newly synthesized glycoproteins. As such, calreticulin presumably does not alter protein folding but ensures proper timing for efficient folding and subunit assembly. Furthermore, calreticulin retains proteins in non-native conformation within the ER and targets them for degradation (2,3).
Product Categories/Family for anti-CALR antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	117501
NCBI GeneID	811
UniProt Accession #	P27797; Q6IAT4; Q9UDG2
Molecular Weight	417
NCBI Official Full Name	Calreticulin

NCBI Official Synonym Full Names	calreticulin
NCBI Official Symbol	CALR
NCBI Official Synonym Symbols	RO; CRT; SSA; cC1qR; HEL-S-99n
NCBI Protein Information	calreticulin; CRP55; ERp60; HACBP; grp60; calregulin; endoplasmic reticulum resident protein 60; epididymis secretory sperm binding protein Li 99n; Sicca syndrome antigen A (autoantigen Ro; calreticulin)
UniProt Protein Name	Calreticulin
UniProt Gene Name	CALR
UniProt Synonym Gene Names	CRTC; ERp60
UniProt Entry Name	CALR_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/calr-antibody-immunoprecipitation-immunofluorescence-immunocytochemistry-immunohistochemistry-western-blot-elisa/37226>