

Anti-SERP1 Antibody

Catalog Number: A10615-1

About SERP1

Stress-associated endoplasmic reticulum (ER) protein 1 (SERP1), also known as ribosome-associated membrane protein 4 (RAMP4), is a Sec61-associated polypeptide that is induced by ER stress [PMID:16705175]. SERP1 interacts with target proteins during their translocation into the lumen of the endoplasmic reticulum. It controls glycosylation of major histocompatibility complex class II-associated invariant chains by a translocational pausing mechanism, and its overexpression stabilizes newly synthesized membrane proteins under ER stress by associating with the Sec61 complex [PMID:10601334]. It is suggested SERP1 is involved in the biosynthesis/processing of secretory proteins

Overview

Product Name	Anti-SERP1 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-SERP1 Antibody catalog # A10615-1. Tested in WB, IHC, ICC, IF, IP, ELISA applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IP, IF, IHC, ICC, WB
Clonality	Polyclonal
Formulation	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg stabilizing protein and 50% glycerol This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	12 months from date of receipt at -20°C as supplied. 6 months at 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	Q9Y6X1

Technical Details

Immunogen	E.coli-derived human SERP1 recombinant protein (Position: A3-M64).
Form	Liquid
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 1:500-2000 Immunohistochemistry, 1:50-400 Immunocytochemistry/Immunofluorescence, 1:50-400

ImmunoPrecipitation, 1:250-300
ELISA, 1:100-1000

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