

Rabbit anti-Human OBFC1 Polyclonal Antibody | anti-STN1 antibody

Anti-OBFC1 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254617	Rabbit	Human	Immunofluorescence, Immunocytochemistry, Immunohistochemistry

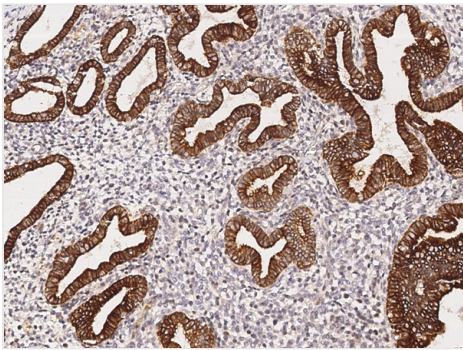
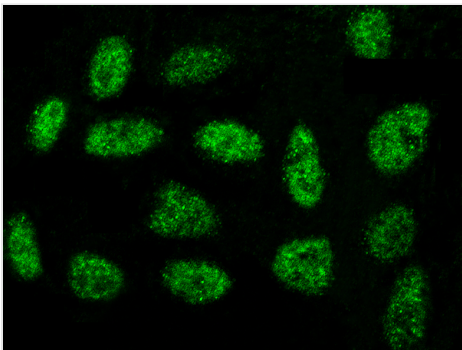
PRODUCT SYNONYMS

OBFC1; Polyclonal Antibody; Anti-OBFC1 Antibody; Rabbit Polyclonal; OBFC1 Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-AAF-44 Antibody; Anti-AAF44 Antibody; Anti-bA541N10.2 Antibody; Anti-RP11-541N10.2 Antibody; Anti-RPA-32 Antibody; Anti-STN1 Antibody; anti-STN1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human OBFC1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-STN1 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Immunogen	A synthetic peptide corresponding to the center region of the Human OBFC1
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the center region of the Human OBFC1, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)
Immunofluorescence staining of OBFC1 in U251MG cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human OBFC1 polyclonal antibody (dilution ratio 1:1000) at 4 degree C overnight. Then cells were stained with the Alexa Fluor 488-conjugated Goat Anti-rabbit IgG secondary antibody (green). Positive staining was localized to nucleus.

IHC (Immunohistochemistry)
Immunochemical staining of human OBFC1 in human vagina with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-STN1 antibody	The yeast homolog of OBFC1 is Stn1, which plays a critical role in telomere regulation. OBFC1/AAF44 can localize to telomeres in human cells and bind to telomeric single-stranded DNA in vitro. Overexpression of an OBFC1 mutant resulted in elongated telomeres in human cells, implicating OBFC1/AAF4 in telomere length regulation. OBFC1/AAF44 represents a new player in the telomere interactome for telomere maintenance.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	194394165
NCBI GeneID	79991
NCBI Accession #	NP_079204.2
NCBI GenBank Nucleotide #	NM_024928.4
UniProt Accession #	Q9H668; Q5TCZ0; D3DR99
Molecular Weight	42,119 Da
NCBI Official Full Name	CST complex subunit STN1
NCBI Official Synonym Full Names	oligonucleotide/oligosaccharide-binding fold containing 1
NCBI Official Symbol	OBFC1
NCBI Official Synonym Symbols	STN1; AAF44; AAF-44; RPA-32; bA541N10.2
NCBI Protein Information	CST complex subunit STN1; alpha accessory factor 44; oligonucleotide/oligosaccharide-binding fold-containing protein 1; replication protein A 32 kDa subunit; suppressor of cdc thirteen homolog
UniProt Protein Name	CST complex subunit STN1
UniProt Gene Name	OBFC1
UniProt Synonym Gene Names	STN1
UniProt Entry Name	STN1_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.